UPS Datasheet







FEATURES









ENGINEER USB STALLATION CONNECTIVITY

HOT SWAP BATTERY

HIGHLIGHTS

- High frequency, double conversion online technology
- · Ultimate Scalability and Expandability
- Modular design capable of housing either 4,6,8,10,12,14 or 16 quantity 50kVA/kW power modules.
- Configurable N+N modular redundancy
- · Parallel up to 6 cabinets together.
- · Wide input voltage range

- · Short circuit and overload protection
- Automatic fan speed control with load variation
- · Emergency Power Off facility
- Smart RS232 and USB comms with monitoring software
- Optional relay or SNMP communications card
- · Large Touchscreen LCD Interface

The Dale E600 UPS range is a modular UPS system suitable for Datacenters and other high density computer and IT Critical load applications.

The E600 UPS allows your power requirements to grow along with the demands of the business without the need to oversize the UPS at day one - reducing the initial cost of investment and reducing the total cost of ownership.

As your power demands increase, the E600 can expand its power capability to maintain the highest levels of power protection and availability.

The newly-designed inverter is one of the best energy conversion systems on the market, with up to unity output power factor and 95% operating efficiency in ON LINE Mode.

HIGH PERFORMANCE

- The advanced technology within the E600 UPS systems allows for the use full rated power even with unity power factor loads (kVA=kW) without any power derating even when operating at temperatures up to 40 °C
- Low input harmonic pollution with near unity input power factor and an extremely wide input voltage operating range (138-485Vac) requiring only minimum upstream power source rating and subesquent reduced investment costs.

HIGH QUALITY OUTPUT VOLTAGE

- Even with non-linear loads (IT loads with a crest factor of up to 3:1);
- · High short circuit current on bypass;
- Filtered, stabilised and reliable voltage (ON LINE double conversion technology (VFI compliant with EN62040-3) with filters for the suppression of atmospheric disturbances;

POWER SAVING

- High input power factor up to 0.99
- 3-level inverter technology with online efficiencies up to 97%
- THDi <4% with 100% Non-Linear Load
- Configurable sleep mode to place modules into standby when operating at low loads, ensuring efficient operation at all times.

MULTIPLE BATTERY OPTIONS

· Common battery configuration for parallel applications.

SCALABILITY

The E600 range offers a comprehensive, easy to integrate, power protection solution for any critical IT applications, The end user can easily increase power or redundancy levels by addiding additional power modules.

Seven different cabinet sizes are available to build the system, which can accomodate multiples of 50kVA Modules.

The available UPS power and redundancy can expand vertically from:

- 50 to 200kVA in one single power cabinet (E633200/50 with E63350U PM)
- 50 to 300kVA in one single power cabinet (E633300/50 with E63350U PM)
- 50 to 400kVA in one single power cabinet (E633400/50 with E63350U PM)
- 50 to 500kVA in one single power cabinet (E633500/50 with E63350U PM)
- 50 to 600kVA in one single power cabinet (E633600/50 with E63350U PM)
- 50 to 800kVA in one single power cabinet (E633800/50 with E63350U PM)
- 50 to 1000kVA in one single power cabinet (E6331000/50 with E63350U PM)

Further Expandable with up to 6 cabinets connected in parallel.

LBS FUNCTION

LBS Function to allow 2 non paralleled UPS systems to work in synchronisation.

INTELLIGENT MANAGEMENT

- 7 inch (standard) or 10 inch (Optional) colour touch screen
- Record and Export history logs and fault logs
- SNMP, RS232, RS485, Dry contact interface options
- Supports upgrading of FW&SW whilst in bypass mode
- EPO and REPO Function



MODULES	E63350U	
OVERVIEW		
Capacity (kVA)	50kVA	
Capacity (kW)	50kW	
Power Factor	1.0	
WEIGHTS AND DIMENSIONS		
Net Weight (kg)	34kg	
Dimensions (H x W x D) mm	130 (3U) x 440 x 620	
Heat Loss (kW per Module)	1.81kW	

MODEL	E633200/50	E633300/50	E633400/50
OVERVIEW			
Capacity (kVA)	50-200kVA	50-300kVA	50-400kVA
Maximum number of Power Modules	4	6	8
Topology		True Online Modular UPS	
INPUT			
Number of phases		3P + N + E	
Nominal voltage		380 / 400 / 415 Vac	
Voltage Range	138 - 305	V for 40% Load; 305-485V for 1	00% Load
Frequency Range		50 / 60 Hz ± 10%	
Power Factor		>0.99	
OUTPUT			
Number of Phases		3P + N + E	
Power factor		1.0	
Nominal voltage (V)		380 / 400 / 415 Vac ± 1%	
Frequency Range	Line Mode - Synch	Line Mode - Synchronise with Input; Battery Mode - 50/60 Hz ± 0.1Hz	
THD (Linear Load)		<2%	
THD (Non-Linear Load)		<4%	
Efficiency	·	AC Mode: up to 95%; ECO Mode: up to 99%; HECO Mode: up to 99%;	
Overload Capacity	Inverter Mode: <110% for 60 Minu	Inverter Mode: <110% for 60 Minutes, 111-125% for 10 Minutes, 125-150% for 1 Minute >150% 1.2 Seconds then Switch to bypass	
Crest Factor		3:1	
Short Circuit Protection		Yes	
Waveform		Pure Sinewave	
BATTERIES			
Battery Type		VRLA / Li-lon	
Battery Voltage (VDC)		360-600 VDC	
Charge Current		20A Max.	
Recharge time		Depends on External Capacity	
ENVIRONMENT			
Temperature	0 °C - +40 °C		
Relative Humidity	0-95% (non-condensing)		
Altitude	<1000m		
Storage Temperature	-25 °C - +55 °C		
Noise Level	<73dB		
COMMUNICATION			
Communication Ports	RS232 / RS485 / PARALLEL / LBS / DRY CONTACT RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL)		
DISPLAY		Sing (c. Holing), Sing (c. Holing) bit fent fent entitude season (cf Holine)	
LCD Display		Yes	
LED Indication		Yes	
WEIGHTS AND DIMENSIONS			
Net Weight (kg)	270kg	290kg	310kg
Dimensions (H x W x D) mm	2000 x 600 x 850	2000 x 600 x 850	2000 x 600 x 850

MODEL	E633500/50	E633600/50
OVERVIEW		
Capacity (kVA)	50-500kVA	50-600kVA
Maximum number of Power Modules	10	12
Topology	True Online	Modular UPS
INPUT		
Number of phases	3P +	N + E
Nominal voltage	380 / 400) / 415 Vac
Voltage Range	138 - 305V for 40% Load	; 305-485V for 100% Load
Frequency Range	50 / 60 Hz ± 10%	
Power Factor	>0	.99
OUTPUT		
Number of Phases	3P +	N + E
Power factor	1	0
Nominal voltage (V)	380 / 400 / 4	415 Vac ± 1%
Frequency Range	Line Mode - Synchronise with Inpu	t; Battery Mode - 50/60 Hz ± 0.1Hz
THD (Linear Load)	<-	2%
THD (Non-Linear Load)	</td <td>4%</td>	4%
Efficiency	AC Mode: up to 95%; ECO Mode: ι	ıp to 99%; HECO Mode: up to 99%;
Overload Capacity		for 10 Minutes, 125-150% for 1 Minute >150% 1.2 witch to bypass
Crest Factor		::1
Short Circuit Protection	Yes	
Waveform	Pure Sinewave	
BATTERIES		
Battery Type	VRLA / Li-lon	
Battery Voltage (VDC)	360-600 VDC	
Charge Current	20A Max.	
Recharge time	Depends on External Capacity	
ENVIRONMENT		
Temperature	0 °C - +40 °C	
Relative Humidity	0-95% (non-condensing)	
Altitude	<1000m	
Storage Temperature	-25 °C - +55 °C	
Noise Level	<73dB	
COMMUNICATION		
Communication Ports	RS232 / RS485 / PARALLEL / LBS / DRY CONTACT RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL)	
DISPLAY		
LCD Display	Yes	
LED Indication	Yes	
WEIGHTS AND DIMENSIONS		
WEIGHTS AND DIMENSIONS Net Weight (kg)	650kg	720kg

OVERVID SO BODONA SO BODONA Capacity (LVWA) SO BODONA SO BODONA Maximum number of Power Modules 15 20 TOPOLOGY TITUE OF INTEREDITION MODULES (LOW TO PLANS AND TO PLANS AN	MODEL	E633800/50	E6331000/50	
Maximum number of Power Modules 16 20 Topology True Online Modular UPS INPUT True Online Modular UPS Number of phases 3P n n E Nominal voltage 3B0 r MOV / 415 Vac Voltage Range 138 - 305V for 40% Load; 305 - 485V for 100% Load Frequency Range 90 r 3 - 3.99 Power Factor -0.99 OUTFUT TUD William For Phases 3P n N + E Power Factor 1.0 Nominal voltage (V) 380 / 400 / 415 Vac ± 19% Power factor 1.0 Nominal voltage (V) 380 / 400 / 415 Vac ± 19% Tifl DLinear Load) 4 % Efficiency AC Mode - Synchronice with Input, Battery Mode - 50/66 Hz ± 0.11/12 Tifl DLinear Load) 4 % Efficiency AC Mode = 10 59% (EX Mode = 10 59% (EX Mode = 10 50/66 Hz ± 0.11/12 Short Circuit Protection 9	OVERVIEW			
Topiology True Online Modular LIPS INPUT Common of phases 3P + N + E Nominal voltage 3P + N + E Voltage Range 138 - 305V for APAS Load; 305-485V for 100% Load Frequency Range 50 + 60 Hz ± 10% OUTPUT Prover Factor Owner of Phases 3P + N + E Power factor 1.0 Nominal voltage (V) 390 + V + E Prover factor 1.0 Nominal voltage (V) 390 + V + E Prover factor 1.0 Nominal voltage (V) 390 + V + E Prover factor 1.0 Nominal voltage (V) 390 + V + E Prover factor 1.0 Nominal voltage (V) 490 + V + E Prover factor 1.0 Nominal voltage (V) 490 + V + E Prover factor 1.0 Prover factor 1.0 Provision 4 × E Provision 4 × E E Provision 4 × E E E Provision 4 × E	Capacity (kVA)	50-800kVA	50-1000kVA	
NemPor	Maximum number of Power Modules	16	20	
Number of phases 3P + N + E Nominal voltage 380 / 400 / 415 Vac Voltage Range 138 - 305V for 40% Load; 305-485V for 100% Load Prequency Range 50 / 60 Hz ± 10% Outrout	Topology	True Online	Modular UPS	
Nominal voltage 380 / 400 / 415 Vac Voltage Range 138 - 305V for 40% Load; 305-485V for 100% Load Frequency Range 50 / 60 Hz ± 10% Power Factor - 0.09 Worther Factor 3 P * N ± E Power Factor 1.0 Nominal voltage (V) 380 / 400 / 415 Vac ± 1% Frequency Range Line Mode - Synchronise with linput; Battery Mode - 50/60 Hz ± 0.1Hz ThO (Linear Load) 4.00 Fiftiencry AC Mode: up to 95%; ECO Mode: up to 99%; HECO Mode: up to 99%; ThO (Linear Load) 1 Inverter Mode: -110% for 60 Minutes, 111-125% for 10 Minutes, 125-150% for 1 Minutes > 150%; ECO Mode: up to 99%; HECO Mode: up to 9	INPUT			
Voltage Range 138 - 305V for 40% Load; 303-485V for 100% Load Frequency Range 50 / 60 Hz ± 10% Power Factor -0.99 OUTPUT	Number of phases	3P+	N + E	
Frequency Range 50 / 60 Hz ± 10% Power Factor >0.99 OUTPU Number of Phases 3P + N + E Power factor 1.0 Nominal vortage (V) 380 / 400 / 415 Vac ± 1% Frequency Range Line Mode - Synchronise with Input: Battery Mode - 50/60 Hz ± 0.1Hz THD (Unear Load) 4% THD (Unear Load) 4% Efficiency AC Mode up to 98%, ECO Mode: up to 99%, ECO Mode: up t	Nominal voltage	380 / 400	/ 415 Vac	
Power Factor >0.99 OUTPUT Commended of Phases 3P + N + E Power factor 1.0 Nominal voltage (V) 38D / A00 / 415 Vac ± 1% Frequency Range Line Mode - Synchronise with Inputs Battery Mode - 50/60 Hz ± 0.1Hz THD (Unear Load) - Efficiency AC Mode: up to 95% ECO Mode: up to 99%; HECO Mode: up to 99%; Overload Capacity Inverter Mode: <110% for 69 Minutes, 111-125% for 10 Minutes, 125-150% for 1 Minute > 150% t.2 Short Circuit Protection Yes Waveform Pure Sinewave BAttery Type VRLA / Li-lon Battery Type VRLA / Li-lon Battery Voltage (VDC) 360-600 VDC Charge Current Depends on External Capacity Environment Depends on External Capacity Environmentative 0 °C - +40 °C Reclative Humidity 0 -95% (non-condensing) Altitude -1000m Storage Temperature RES232 / RS485 / PARALLE / LBS / DRY CONTACT Reclave Humidity RES232 / RS485 / PARALLE / LBS / DRY CONTACT Communication Ports RELAY CARD (OPTIONAL) / SMMP CARD (OPTIONAL) / SMMT CARD (O	Voltage Range	138 - 305V for 40% Load;	: 305-485V for 100% Load	
OUTPUT Common of Phases 3P + N + E Power factor 1.0 Nominal voltage (V) 380 / 400 / 415 Vac ± 1% Frequency Range Line Mode - Synchronise with Input: Battery Mode - 50/60 Hz ± 0.1Hz THD (Unear Load) <	Frequency Range	50 / 60 H	Hz ± 10%	
Number of Phases 3P + N + E Power factor 1.0 Nominal voltage (V) 380 / 400 / 415 Vac ± 1% Frequency Range Line Mode - Synchronise with Input; Battery Mode - 50/60 Hz ± 0.1Hz THD (Inner Load) < 34 / 4% Efficiency AC Mode: up to 95%; ECO Mode: up to 99%; HECO Mode: up to 99%; Overload Capacity Inverter Mode: <110% for 60 Minutes, 111-125% for 10 Minutes, 125-150% for 1 Minute > 150% 1.2 Crest Factor 3-1 Overload Capacity Yes Short Circuit Protection Yes Waveform Pure Sinewave Battery Yolkage (VDC) 360-600 VDC Charge Current 20A Max. Eeckage time Depends on External Capacity EnvironMetit Pure Sinewave Environmetit Pure Sinewave Environmetit Depends on External Capacity Environmetit Pure Sinewave Environmentation <	Power Factor	>0	.99	
Power factor 1.0 Nominal voltage (V) 380 / 400 / 415 Vac ± 1% Frequency Range Line Mode - Synchronise with Input; Battery Mode - 50/60 Hz ± 0.1Hz THD (Linear Load) 4% Efficiency AC Mode: up to 99%; EECO MODE: SecondS then 99%;	OUTPUT			
Nominal voltage (V) 380 / 400 / 415 Vac ± 1% Frequency Range Line Mode - Synchronise with Input; Battery Mode - S0/60 Hz ± 0.1Hz THD (Linear Load) <2%	Number of Phases	3P+	N + E	
Frequency Range Line Mode - Synchronise with Input; Battery Mode - 50/60 Hz ± 0.1Hz THD (Linear Load) < 2%	Power factor	1	.0	
THD (Linear Load) < 29%	Nominal voltage (V)	380 / 400 / 4	415 Vac ± 1%	
THO (Non-Linear Load) < 4/8 Efficiency AC Mode: up to 95%; ECO Mode: up to 99%; HECO Mode: up to 99%; Overload Capacity Inverter Mode: <110% for 60 Minutes, 111-125% for 10 Minutes, 125-150% for 1 Minute >150% 1.2 Crest Factor 3:1 Short Circuit Protection Yes Waveform Pure Sinewave BATTERIES VRLA / Li-Ion Battery Type VRLA / Li-Ion Battery Voltage (VDC) 360-600 VDC Charge Current 20A Max. Recharge time Depends on External Capacity Environment Pure Sinewave Environment Pure Sinewave Environmentation O°C - 440 °C Relative Humidity O°C - 440 °C Relative Humidity O°S - 400 °C Storage Temperature SC 25°C - 455°C Noise Level SS 232 / RS485 / PARALLEL / LBS / DRY CONTACT RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / SMTTERY TEMPERATURE SENSOR (OPTIONAL) Display Yes LED Indication Yes WEIGHTS AND DIMENSIONS 380kg 1080kg	Frequency Range	Line Mode - Synchronise with Inpu	t; Battery Mode - 50/60 Hz ± 0.1Hz	
Efficiency AC Mode: up to 95%; ECO Mode: up to 99%; HECO Mode: up to 99%; Overload Capacity Inverter Mode: <110% for 60 Minutes, 111-125% for 10 Minutes, 125-150% for 1 Minute >150% 1.2 Crest Factor 3:1 Short Circuit Protection Yes Waveform Pure Sinewave BATTERIES Battery Type VRLA / Li-lon Battery Voltage (VDC) 360-600 VDC Charge Current 20A Max. Recharge time Depends on External Capacity ENVIRONMENT Temperature Relative Humidity 0-95% (non-condensing) Altitude 4 0000m Storage Temperature 2 5°C - 455°C Noise Level 73dB COMMUNICATION RS232 / RS485 / PARALLEL / LBS / DRY CONTACT	THD (Linear Load)	<2	2%	
Overload Capacity Inverter Mode: <110% for 60 Minutes, 111-125% for 10 Minutes, 125-150% for 1 Minute >150% 1.2 Crest Factor 3:1 Short Circuit Protection Yes Waveform Pure Sinewave BATTERIES Pure Sinewave Battery Type VRLA / Li-lon Battery Voltage (VDC) 360-600 VDC Charge Current 20A Max. Recharge time Depends on External Capacity ENVIRONMENT 0°C - +40°C Relative Humidity 0-95% (non-condensing) Altitude 4000m Storage Temperature -25°C - +55°C Noise Level -73dB COMMUNICATION RES232 / RS485 / PARALLEL / LBS / DRY CONTACT RELAY CARD (OPTIONAL) / SMMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) LED Indication Yes WEIGHTS AND DIMENSIONS 1080kg Net Weight (kg) 980kg 1080kg	THD (Non-Linear Load)	</td <td>4%</td>	4%	
Overload Lapacity Seconds then Switch to bypass Crest Factor 3:1 Short Circuit Protection Yes Waveform Pure Sinewave BATTERIES Battery Type VRLA / Li-lon Battery Voltage (VDC) 360-600 VDC Charge Current 20A Max. Recharge time Depends on External Capacity ENVIRONMENT Temperature 0°C - 440°C Relative Humidity 0-95% (non-condensing) Altitude 1000m Storage Temperature <73dB	Efficiency			
Crest Factor 3:1 Short Circuit Protection Yes Waveform Pure Sinewave BATTERIES Battery Type VRLA / Li-lon Battery Voltage (VPC) 360-600 VPC Charge Current 20A Max. Recharge time Depends on External Capacity EMIRONMENT Properation Relative Hundity 0°C - 440°C Relative Hundity 9-95% (non-condensing) Altitude -095% (non-condensing) Korage Temperature -25°C - +55°C Noise Level -33dB Communication Ports RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY Yes LED Display Yes ELD Link (iction) Yes WEIGHTS AND DIMENSIONS 1080kg NetWeight (kg) 1080kg	Overload Capacity			
Waveform Pure Sinewave BATTERIES Pure Sinewave Battery Type VRLA / Li-lon Battery Voltage (VDC) 360-600 VDC Charge Current 20A Max. Recharge time Depends on External Capacity Environment Temperature Relative Humidity 0°C - +40°C Relative Humidity 0°S 95% (non-condensing) Altitude 41000m Storage Temperature 73dB Noise Level 73dB COMMUNICATION RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) LCD Display Yes LED Indication Yes WEIGHTS AND DIMENSIONS 980kg 1080kg	Crest Factor		•	
Battery Type VRLA / Li-lon Battery Type VRLA / Li-lon Battery Voltage (VDC) 360-600 VDC Charge Current 20A Max. Recharge time Depends on External Capacity ENVIRONMENT Temperature 0°C-+40°C Relative Humidity 0-95% (non-condensing) Altitude 1000m Storage Temperature 1000m Storage Temperature 1000m COMMUNICATION Communication Ports RELAY CARD (OPTIONAL) / SNMP CARD	Short Circuit Protection	Yes		
Battery Type VRLA / Li-lon Battery Voltage (VDC) 360-600 VDC Charge Current 20A Max. Recharge time Depends on External Capacity ENVIRONMENT Temperature 0°C - +40°C Relative Humidity 0-95% (non-condensing) Altitude 1000m Storage Temperature 273dB COMMUNICATION Communication Ports RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY LED Display Yes LED Indication Yes WEIGHTS AND DIMENSIONS Net Weight (kg) 980kg 1080kg	Waveform	Pure Sinewave		
Battery Voltage (VDC) Charge Current Charge Current Recharge time Depends on External Capacity ENVIRONMENT Temperature Relative Humidity Altitude Storage Temperature COMMUNICATION Communication Ports Communication Ports CD Display LED Indication WEIGHTS AND DIMENSIONS Net Weight (kg) Page 1880 1880 1880 1880 1880 1880 1880 188	BATTERIES			
Charge Current 20A Max. Recharge time Depends on External Capacity ENVIRONMENT Temperature 0 °C - +40 °C Relative Humidity 0-95% (non-condensing) Altitude < 1000m Storage Temperature -25 °C - +55 °C Noise Level < 73dB COMMUNICATION Communication Ports RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY LCD Display Yes LED Indication WEIGHTS AND DIMENSIONS Net Weight (kg) 980kg 1080kg	Battery Type	VRLA	VRLA / Li-lon	
Recharge time Depends on External Capacity ENVIRONMENT Temperature 0 °C - +40 °C Relative Humidity 0-95% (non-condensing) Altitude <1000m Storage Temperature -25 °C - +55 °C Noise Level <73dB COMMUNICATION Communication Ports RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY LCD Display Yes LED Indication Yes WEIGHTS AND DIMENSIONS Net Weight (kg) 980kg 1080kg	Battery Voltage (VDC)	360-60	360-600 VDC	
ENVIRONMENTENVIRONMENTO °C - +40 °CTemperature0 °C - +40 °CRelative Humidity0-95% (non-condensing)Altitude< 1000m	Charge Current	20A Max.		
Temperature 0°C - +40°C Relative Humidity 0-95% (non-condensing) Altitude <1000m Storage Temperature -25°C - +55°C Noise Level <73dB COMMUNICATION Communication Ports RS232 / RS485 / PARALLEL / LBS / DRY CONTACT RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) LCD Display Yes LED Indication Yes WEIGHTS AND DIMENSIONS Net Weight (kg) 980kg 1080kg	Recharge time	Depends on External Capacity		
Relative Humidity 0-95% (non-condensing) Altitude <1000m Storage Temperature -25 °C - +55 °C Noise Level <73dB COMMUNICATION Communication Ports RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY LCD Display Yes LED Indication WEIGHTS AND DIMENSIONS Net Weight (kg) 980kg 1080kg	ENVIRONMENT			
Altitude < 1000m Storage Temperature	Temperature	0 °C - +40 °C		
Storage Temperature -25 °C - +55 °C Noise Level <73dB COMMUNICATION Communication Ports RS232 / RS485 / PARALLEL / LBS / DRY CONTACT RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY LCD Display Yes LED Indication Yes WEIGHTS AND DIMENSIONS Net Weight (kg) 980kg 1080kg	Relative Humidity	0-95% (non-condensing)		
Noise Level < 73dB COMMUNICATION Communication Ports	Altitude	<1000m		
COMMUNICATION Communication Ports RS232 / RS485 / PARALLEL / LBS / DRY CONTACT RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY LCD Display LED Indication WEIGHTS AND DIMENSIONS Net Weight (kg) 980kg 1080kg	Storage Temperature	-25 ℃ -	-25 °C - +55 °C	
RS232 / RS485 / PARALLEL / LBS / DRY CONTACT RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY LCD Display LED Indication WEIGHTS AND DIMENSIONS Net Weight (kg) P80kg PARALLEL / LBS / DRY CONTACT RELAY CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) Yes 1080kg	Noise Level	<7:	<73dB	
RELAY CARD (OPTIONAL) / SNMP CARD (OPTIONAL) / BATTERY TEMPERATURE SENSOR (OPTIONAL) DISPLAY LCD Display Yes LED Indication Yes WEIGHTS AND DIMENSIONS Net Weight (kg) 980kg 1080kg	COMMUNICATION			
LCD Display Yes LED Indication Yes WEIGHTS AND DIMENSIONS Net Weight (kg) 980kg 1080kg	Communication Ports			
LED Indication Yes WEIGHTS AND DIMENSIONS Second S	DISPLAY			
WEIGHTS AND DIMENSIONS Net Weight (kg) 980kg 1080kg	LCD Display	Yes		
Net Weight (kg) 980kg 1080kg	LED Indication	Yes		
	WEIGHTS AND DIMENSIONS			
Dimensions (H x W x D) mm 2000 x 2000 x 850 2000 x 2000 x 850	Net Weight (kg)	980kg	1080kg	
	Dimensions (H x W x D) mm	2000 x 2000 x 850	2000 x 2000 x 850	