Durable Series

For data centers and mission critical systems

OPTI UPS
Protect and Serve

Application

IDC(Internet Data Center), network, servers and workstations, control system communication system, office , PC etc



DS-I(L) BT 1-20K

Features

- True online double-conversion technology
- DSP based technology
- Advanced PFC technology,input PF>99%
- Strong charging capacity (12A charger)
- Wide input voltage range
- Output isolation transformer

Specifications

MODEL		DS1000I BT	DS1000IL BT	DS2000I BT	DS2000IL BT	DS3000I BT	DS3000IL BT	DS6000I BT	DS6000IL BT	DS10000I BT	DS10000IL BT	DS20000IL BT
Topology		True On-Line, Double Conversion / High Frequency										
Output Waveform		Pure Sine Wave										
Maximum Capacity		1000VA / 1000W		2000VA / 2000W		3000VA / 3000W		6000VA / 6000W		10000VA / 10000W		20000VA / 20000W
INPUT												
Nominal Input Voltage		208/220/230/240Vac , L1/L2+PE										
Input Voltage Range		110~300Vac										
Input Power Factor		≥0.99										
Input Frequency Range		44Hz - 56Hz@ 50Hz / 54Hz - 66Hz@ 60Hz										
Input Current Distortion THDi %		≤3% @100% @Liner Load; ≤5% @100% @ Non-Liner Load										
OUTPUT												
Nominal Voltage		208/220/230/240Vac & 100/110/120Vac, Isolated Transformer Output										
Voltage Regulation		± 1 %										
Voltage Distortion		≤ 2% THD, linear load, ≤ 6% THD, non-linear load										
Synchronization Range		Settable, ±3Hz default										
Output Frequency (Battery Mode)		50/60±0.1 Hz										
Efficiency		Line mode with battery full charged 91.5%, ECO mode 98%, Battery mode 94.5%.						Line mode with battery full charged 93%, ECO mode 98%, Battery mode 92%.				
Overload Capacity (Line Mode)		102%~105%: Transfer to bypass after 30 mins, 105%~125%: Transfer to bypass after 10 min, 125%~150%: Transfer to bypass after 30s, >150%: Transfer to bypass after 500ms										
Overload Capacity (Battery Mode)		102%~105%: Transfer to bypass after 10 mins, 105%~125%: Transfer to bypass after 1 min, 125%~150%: Transfer to bypass after 10s, >150%: Transfer to bypass after 500ms										
Crest Ratio		3:1										
BATTERY												
Configuration		12V9Ah × 2	External	12V9Ah × 4	External	12V9Ah × 6	External	12V9Ah × 16	External	12V9Ah × 16	External	
DC Nominal Voltage		24Vdc	24/36Vdc	48Vdc	48/72Vdc	72Vdc	72/96Vdc	192Vdc (240Vdc optional)				
Charging Current		1A	1-12A Settable	1A	1-12A Settable	1A	1-12A Settable	1A (1-12A Settable)	1-12A Settable	1A (1-12A Settable)	1-12A Settable	
INDICATOR & ALARM												
Display		LCD & LED										
Alarm	Bat. Mode	Sounding once per 4 seconds										
	Low Bat.	Sounding once per 2 seconds										
	Overload	Overload Sounding once per second										
	Fault	Continuous beeping										
INTERFACE												
Standard		RS232 & USB										
Optional		SNMP Card & Dry Contact										
PHYSICAL												
Dimension (W×H×L)	mm	191×302×322		191×428×402				250×523×859	250×523×619	250×523×859	250×523×619	250×523×859
Net Weight	kg	16.7	12.7	31.2kg	23.2	39.2	27.2	97	58 kg	112	64	81
ENVIRONMENT												
Operation Temperature		0-40°C, no derating										
Storage Temperature		0-70°C										
Relative Humidity		0-95% non-condensing										
Noise Level		Less than 50dB@ 1Meter										
Operating Elevation		The altitude should not exceed 1000m,and the height above 1000m should bereduced to a maximum of 4000m.Refer to IEC62040										

Specifications are subject to change without notices.

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