

# Durable Series

For data centers and mission critical systems



## DS-E RM 1-10K PF1

### Features

- Output power factory 1
- Input power factor correction
- Wide input voltage range from 110-300V
- ECO mode for energy saving
- Over voltage protection & Surge protection
- High charging capacity up to 1000W
- Adjustable charging current via LCD panel
- Smart battery charger design to optimize the battery performance
- Generator compatible



### Specifications

Model Name	DS1000E-RM	DS2000E-RM	DS3000E-RM	DS6000E-RM	DS10000E-RM	
<b>Topology</b>	True On-Line Double Conversion					
<b>On-battery Output Waveform</b>	Pure Sine Wave					
<b>Maximum Capacity</b>	1000VA / 1000W	2000VA / 2000W	3000VA / 3000W	6000VA / 6000W	10000VA / 10000W	
<b>INPUT</b>						
<b>Nominal Voltage</b>	220 / 230 / 240Vac; 110 / 115 / 120 / 127Vac			220 / 230 / 240Vac		
<b>Nominal Frequency</b>	40Hz - 70Hz			46Hz - 54Hz or 56 - 64Hz		
<b>Nominal Voltage Range</b>	160-300Vac(220/230/240Vac) ; 90-145vAC(110/115/120/127Vac)			176-300Vac		
<b>Power Factor</b>	> 99%					
<b>OUTPUT</b>						
<b>Nominal voltage</b>	220 / 230 / 240Vac; 110 / 115 / 120 / 127Vac			220 / 230 / 240Vac		
<b>Voltage Regulation(Battery mode)</b>	± 1 %					
<b>Transfer Time(Typical)</b>	<b>AC to DC</b>	0ms				
	<b>Inverter to Bypass</b>	4ms			0ms	
<b>Frequency Range (Synchronized Range)</b>	47-53Hz or 57-63Hz			46-54Hz or 56-64Hz		
<b>Frequency Range (Battery mode)</b>	50Hz ± 0.1% or 60Hz ± 0.1%			50Hz ± 0.1% or 60Hz ± 0.1%		
<b>Crest Ratio</b>	3:1					
<b>Harmonic Distortion</b>	≤ 2% THD(Linear Load), ≤ 4% THD(Non-Linear Load)					
<b>Start on Battery</b>	Yes					
<b>Auto Restart</b>	Yes					
<b>Max. Efficiency</b>	<b>AC mode</b>	89%	91%	94%		
	<b>Battery mode</b>	88%	90%	92%		
	<b>ECO mode</b>	96%			98.5%	
<b>Number of Outlets(Battery backup)</b>	<b>2x0V</b>	6 (IEC 10A)	6 (IEC 10A)	6 (IEC 10A)	Terminal	
	<b>1x0V</b>	8 (NEMA 15A)	8 (NEMA 5-15)	8 (NEMA 5-15)		
<b>PROTECTION</b>						
<b>Data Line Surge Protection</b>	RJ11/RJ45					
<b>Overload Capability</b>	100%~110%:shutdown after 10mins, 110%~130%:shutdown after 1mins, >130%:shutdown after 1s					
<b>Over Current Protection</b>	Circuit Breaker					
<b>BATTERY</b>						
<b>Configuration</b>	24V(12V9Ah × 2)	48V(12V9Ah × 4)	72V(12V9Ah × 6)	192V(12V9Ah × 16)		
<b>Max. Efficiency</b>	83%	87%	88%	90%	91%	
<b>Recharge Time to 90%(Typical)</b>	<3 Hours @ 2A charging current					
<b>INDICATOR &amp; ALARM</b>						
<b>Display</b>	LCD (Rectifier/Bypass/Inverter/Battery)					
<b>Alarm</b>	Battery mode / UPS faults / Overload					
<b>INTERFACE</b>						
<b>Communication port</b>	RS232 and USB					
<b>SNMP Manageable</b>	Yes					
<b>ENVIRONMENTAL</b>						
<b>Operation Temperature</b>	0~45°C					
<b>Noise</b>	Less than 50dBA @ 1 M			Less than 55dBA @ 1 M	Less than 58dBA @ 1 M	
<b>Relative Humidity</b>	20~95% Non condensing					
<b>MECHANICAL</b>						
<b>Dimension (W×D×H)</b>	<b>Standard Type</b>	410 × 438 × 88 mm	510 × 438 × 88mm	630 × 438 × 88 mm	UPS: 610 × 438 × 88mm (2U) BP: 715 × 438 × 133mm (3U)	
	<b>Long Backup Type</b>					610 × 438 × 88mm (2U)
<b>Weight</b>	<b>Standard Type</b>	11.6kg	19.5kg	27.5kg	UPS: 17Kg BP: 48Kg	UPS: 20Kg BP: 53Kg
	<b>Long Backup Type</b>	6.6kg	9.4kg	12.4kg	17Kg	20Kg

Specifications are subject to change without notices.

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