

Odin Plus RT Harsh Series On-line UPS

Features

- Advanced Digital Control Technology
- Double Conversion Technology
- Unity Input Power Factor
- Wide Input Voltage and Frequency Window
- Programmable Parameter Setting
- Emergency Shutdown Control through EPO
- Extended Runtime Capability
- Hot Swappable Battery
- Optional Powerful Charger
- Rack/Tower Convertible Design



Odin Plus RT Harsh Series On-line UPS



The Odin Plus RT Harsh series is a true on-line double conversion UPS featuring all weather protection to withstand harsh environment conditions.

The Odin Plus RT Harsh series ranges from 1kVA to 3kVA, it can operate in temperatures ranging from -10°C to 55°C without additional cooling or heating equipment and is equip with high temperature sealed lead acid batteries.

The Odin Plus RT Harsh series features state-of-the-art insulated gate bipolar transistor (IGBT) technology and incorporates capacitors and components designed for a 10-year life span for worry free dependability.

The Odin Plus RT Harsh series are designed for application that require shallower mounting depth, higher load capacity and a wide operating temperature range without the need for an AC unit.

	MODEL	Odin Plus RT Harsh 1000	Odin Plus RT Harsh 2000	Odin Plus RT Harsh 3000	Odin Plus RT Harsh 3000D
INPUT	Voltage Range**	180~300Vac			
	Frequency Range	44Hz ~ 66Hz (Auto sensing)			
	Phase	Single phase with ground			
	Power Factor	³ 0.99 (with full linear load)			
OUTPUT	Capacity (-10°C to 40°C)	1000VA/900W	2000VA/1800W	3000VA/2400W	
	Capacity (40°C to 55°C)	600VA/560W	1200VA/1080W	1800V/1620W	
	Voltage	Default 230V, adjustable to 220/230/240 Vac			
	Output Voltage Distortion	< 3% (at full load) ; < 6% (at full non-linear load)			
	Output Voltage Regulation	± 1%			
	Frequency (Synchronized Range)	3Hz or 1Hz (selectable)			
	Current Crest Ratio	3:1 (acceptable)			
	Output Waveform	Pure sine wave			
EFFICIENCY	Line Mode	Up to 92%			
	High Efficiency Mode	Up to 96.5%			
BATTERY	Feature	Hot-Swappable Battery			
	Battery type	Sealed Lead Acid Maintenance Free 12Vdc 9AH			
	Number of batteries	3	6	6	8
	Rated Battery Voltage	36Vdc	72Vdc	72Vdc	96Vdc
	Recharge time (to 90%)	4~6 hours			
DISPLAY	Standard LCD	Voltage / Frequency / Load level / Battery level / Output Current			
	Button	(ON/Alarm Silence Button) / OFF Button/ Function /Level Button			
ALARM	Audible and Visual	Line Failure / Battery Low / Transfer to Bypass / System Fault			
PROTECTION	Full Protection	Overload, Over temperature, Short Circuit, Discharge, Overcharge			
FUNCTIONS	Multi-Mode	Normal/ECO/CVCF			
	DC Start	Yes			
	Programmable Outlet	Optional			
PHYSICAL (SHORTER DEPTH)	Dimensions (WDH in mm)	440 x 405 x 88 (2U)	440 x 432 x 132 (3U)	440 x 432 x 176 (4U)	440 x 487 x 176 (4U)
	Weight (kg)	12	23	25	29
OUTPUT	Output Connections	3 x IEC-C13	6 x IEC-C13	6 x IEC-C13 + 1 x IEC-C19	
ENVIRONMENT	Operation Temperature	-10~55°C			
	Relative Humidity	0 to 90% (Without condensation)			
	Noise Level	<50dBA @ 1 meter front			
INTERFACE	Standard	RS232, USB, EPO, Extended Battery Connector			
	Optional Communication Cards	Dry contact, 2nd RS232, USB, SNMP/Web Card			
	Compatible platforms	Microsoft Window series, Linux, Mac			
STANDARDS AND CERTIFICATIONS	Safety	IEC/EN 62040-1			
	EMC	IEC/EN 62040-2			
	Markings	CE			

*Specifications subject to change without notice.

** Based on load percentage.