

HYUNDAI ONLINE UPS

1 PHASE 2KVA TOWER

DATASHEET

MODEL		HD-2KTH
Capacity		2000VA/1800W
Technology		Online double conversion, Tower type
INPUT		
Rated Voltage		Single phase 208/220/230/240VAC
Voltage range		110 ~ 300Vac
Frequency range		40~70 Hz; 50-60Hz (auto-sensing)
Power factor		> 0.9
Cold start		Yes
Bypass voltage range		-25% ~ + 15% (settable)
Socket		C14/C19/C20
OUTPUT		
Waveform		Pure sine wave
Voltage		208/220/230/240 Vac \pm 1% (Settable via LCD)
Frequency range		50/60 (synchronized range with mains input); \pm 0.05Hz (battery mode)
Power factor		0.9
Crest factor		3:1
THDv		< 2% (linear load)
Transfer time		0ms (Mains mode to battery mode)
Outlet		4IEC C13 + Terminal
Inverter overload capability		105% ~ 130% load: transfer to bypass in 1 min
Efficiency	Line mode	90%
	ECO mode	98%
BATTERIES		
Battery type		VRLA, Sealed lead-acid, maintenance free battery; Battery life \geq 3 years.
Inbuilt battery		12V/9Ah * 4 pieces
DC voltage		48VDC
Backup time		5-6mins at full load

Ability of extension	4 Cabinet Battery 4*9AH(optional)
Recharge time	90% capacity restored in 5 hours
Charging current(Max.)	1A
Battery test	Automatic battery test/ quick test/ battery capacity test
Battery informations	Indicates BAT level by 0-24%;25-49%;50-74%; and 75-100% in BAT mode and charging status in line mode
SYSTEMS and COMMUNICATIONS	
LCD Display	Operation/ Load/ Battery/ Input/ Output/ Bypass/ Frequency/Fault
Overload protection	Over-temp protection; Fan testing protection; Overload protection; Output short circuit protection; Battery discharge protection
Alarms	Battery mode, battery voltage low, fans fault etc..
Control	By micro processor
Communication	RS232/USB-with management software
	RS232 with UPS managements program via RS232 computer connection protocol. Remote monitoring and control with software. Auto shutdown or control PC/server before UPS stops working
	EPO(Emergency Power Off)/Intelligent slot(SNMP Network Management Protocol)
	Optional: USB/ SNMP card(NMC Card)/CMC (Centralized monitoring card)/ RS485 based Modbus protocol monitoring/AS400 Card
ENVIRONMENT	
Humidity	0 ~ 95 % RH (non-condensing)
Temperature	0°C ~ 40°C; Storage temperature: -25°C ~ 55°C (exclude batteries)
Altitude	≤ 1000m, derating 1% for each addition 100m
IP level	IP20
Noise	<50dB at 1m
PHYSICAL	
Dimensions (mm) W × D × H	190*318*368
Net weight (kg)	18.2
Accessories	User manual/ input power cord, RS232 cable

Rear panel features (can change the position of the connection port or the type of socket)

