

HYUNDAI ONLINE UPS

1 PHASE 2KVA TOWER (INTERNAL/EXTERNAL BATTERY)

DATASHEET

MODEL		HD-2KT9
Capacity		2kVA/1.8kW
Technology		Online double conversion, Tower & industrial type
INPUT		
Rated Voltage		Single phase 208/220/230/240VAC (Selectable)
Voltage range		110 ~ 300Vac
Frequency range		40~70 Hz; 50-60Hz (selectable)
		45~55 Hz/54~66 Hz
Power factor		≥ 0.99
Cold start		Yes
Bypass voltage range		187~265V(120~275V Max)
OUTPUT		
Waveform		Pure sinewave
Voltage		208/220/230/240 Vac ± 1% (Settable via LCD); 230V (default)
Frequency range		50/60 (synchronized range with mains input); ±1% in Battery Mode
Power factor		0.9
Crest factor		3:1
THDv		<2% @ linear load; <5% @ non-linear load
Battery Mode <-> Inverter Mode		0ms
Inverter Mode <-> Bypass Mode		<4ms
Inverter overload capability		100 ~105% continuous; 60Sec@>105 ~130% Rated Load; 5Sec@>130 ~150% Rated Load
Efficiency	Line mode	≥93%
	ECO mode	≥98%
BATTERIES		
Battery type		VRLA, Sealed lead-acid, maintenance free battery; Battery life ≥3 years.
Inbuilt battery		12V/9Ah * 4 pieces

DC voltage	48VDC
Backup time	≥7mins at full load
Ability of extension	4 Cabinet Battery 4*9AH (optional)
Recharge time	5 hours (Depend on the capacity of external batteries for long backup time)
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	(DSP)Digital signal processors control with display: Load/Battery/Input/Output/Bypass/Operations mode/Frequency/Fault
Protection	Short-circuit, overload, over temp, BAT low, overvoltage, undervoltage and fan fault....
LED display	Audible alarm & flash (AC/DC input under abnormal, overload condition and inverter problems)
	4 button and 4 LED display panel in Bypass mode, normal mode, battery mode, fault mode
Load information	Indicates Load level by 0-20%;21-40%;41-60%; 61-80%; and 81-100%
Control	By micro processor
Communication	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
	Optional: USB/ EPO(Emergency Power Off)/ 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
Altitude	≤ 1000m, derating 1% for each addition 100m
IP level	IP20
Noise	<50dB
PHYSICAL	

Dimensions (mm) W × D × H	190×323×368
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)*

