



Hybrid Inverter

Model: KY-3HYBrid-10k-H

KOYOE

List		KY-3HYBrid-10k-H
Efficiency	MPPT efficiency	99.90%
	Max efficiency	97.70%
	Battery circuit efficiency	98.50%
Battery port	Operating DC voltage range	180V-800V
	Recommended battery voltage	400V
	Charge/discharge power	10000W/11000W
	Charge/discharge current	25A/30A
	Communication interfaces	RS485/CAN
	Reverse connect protectoin	Y
	PV port	Absolute maximum PV input voltage
Operating MPPT voltage range		200V-900V
Absolute maximum PV input voltage		11000W
Rated PV input voltage		630V
Number of independent MPPT		2
MaxPV input power for each MPPT		6000W
MaxPV input current for each MPPT		10A/10A
Max input short circuit current for each MPPT		15A/15A
DC disconnection switch		Optional
DC connection type		Quick fit connector
Output AC	Grid connection type	Three phase
	Absolute maximum AC power	10000VA
	Normal AC power	10000W
	Rated grid voltage/grid connected voltage range	400V(230VAC)/310V-500V
	Rated grid frequency	50Hz/60Hz
	Normal grid current	15.2A @220V
	Normal power factor and adjustable range	0.8 leading-1-0.8 lagging
	THD	<3%
Backup output	AC connection type	Quick fit AC circular connector
	Max aparent power	8000VA
	Rated AC voltage	230V/220V
	Max AC output current	12.6A
	Peak power and duration	10000W/60s
General date	Out frequency range	45Hz-55Hz/55Hz-65Hz
	Switch times	<10ms
	Connection type	Terminal block
	Dimensions(W*H*D)[mm]	516*430*200mm
	Weight	41kg
	Environmental protection rating	IP65
	Cooling	Nature cooling
	Communication	Wi-Fi (optional)/GPRS(optional)/Ethernet/Meter/DRM
	Display/monitoring	LED/APP/Web
	Mounting	Wall bracket
Standard	Ambient temperature	-25°C-60°C
	Relative humidity	4-95% condensing
	Altitude without derating	3000m
	Acoustic noise emission level	<35dB @ 1m
	Over voltage category	III (AC side) , II (PV side)
	Standby consumption	<10W
	Start voltage	180V
	Isolation level	Transformerless
	Standard warranty	5/10years
	Safety	IEC62109-1/-2, IEC62477-1
	EMC	EN61000-6-2/-3, EN61000-3-2/-3
	Grid	AS/NZS 4777.2, NRS 097-2-1: 2017