

Three-Phase Residential Hybrid Inverter

Hybrid 6KH3/Hybrid 8KH3/Hybrid 10KH3/Hybrid 12KH3/Hybrid 15KH3



Support diesel generator access



More economical and support multiple operating modes



Support full power discharge, automatic management for battery charge and discharge



Enabling UPS protection for critical loads in the absence of a power grid



No external cooling fan, noise reducing



Product Model	Hybrid6KH3	Hybrid8KH3	Hybrid10KH3	Hybrid12KH3	Hybrid15KH3
Protection Grade	IP65				
Operating Temperature	-35~60°C				
Relative humidity	0~100%				
Operating Altitude	4000 m (over 2000 m, it will operate in derating)				
Cooling method	Natural cooling				
Noise	≤25dB				
Installation method	Wall hanging				
EMC	IEC/EN 61000-6-1:2019, IEC/EN 61000-6-2:2019, IEC/EN 61000-6-3:2021, IEN/EN 61000-6-4:2019, IEC/EN 61000-3-2:2019/A1:2021, EN 61000-3-3:2013/A2:2021, IEC/EN 61000-3-11:2019, EN 61000-3-12:2011				
Grid connection standard	Europe:EN 50549-l:2019/AC:2019,Poland:EN50549-l:2019/Rfg:2016/NC Rfg:2018/PTPIREE:2021, Germany:VDE-AR-N 4105:2018/DIN VDE V 0124-100 (VDEV 0124-100):2020, South Africa:NRS 097-2-1:2017 Edition 2.1,Britain:G99/l-6:2020,Spain:UNE217001:2020/UNE217002:2020/NTS V2.1:2021-07, IEC61727:2004/IEC62116:2014/IEC61683:1999,Hungary:EN50549-l:2019/RFG:2016/Hungary				
Grid-connected safety conditions and evaluation specifications	iec/en62109-l:2010,iec/en62109-2:2011 iec/en62109-l:2010,iec/en62109-2:2011				
HMI	LCD;APP				
BMS Interface	RS485,CAN				
EMS Interface	RS485				
Electric meter communication interface	RS485				
Support communication interface	WIFI/GPRS /4G				
Maximum charge/discharge power	6600W	8800W	11000W	13200W	16500W
Battery Voltage range	125~600V				
Battery operating voltage range	150~550V				
Maximum charge/discharge current	50A				
Rated charge and discharge current	40A				
Battery Type	Lithium battery, lead-acid battery				
Maximum DC input power	9000W	12000W	15000W	18000W	22500W
Maximum DC input voltage	1000V				
MPPT Voltage Range	180~850V				
MPPT Full Load Voltage Range	250V-850V	330V-850V	430V~850V	510V-850V	620V-850V
Starting voltage	125V				
Single MPPT Maximum Input Current	13/13A	13/13A	13/13A	13/13A	20/20A
Maximum short-circuit current	16/16A	16/16A	16/16A	16/16A	30/30A
MPPT number	2				
Number of MPPTs/Maximum number of strings per parallel group	1/1	1/1	1/1	1/1	2/2
Rated Input voltage	600V				
Rated output power	6000VA	8000VA	10000VA	12000VA	15000VA
Maximum output power	6600VA	8800VA	11000VA	13200VA	16500VA
Grid maximum input power	13200VA	17600VA	22000VA	26400VA	33000VA
Grid maximum input current	19.1A	25A	31.8A	38.1A	47.6A
Rated Output current	8.7A	11.5A	14.4A	17.3A	21.7A
Maximum output current	9.5A	12.7A	15.9A	19.1A	23.8A
Rated grid voltage	380V/400V, 3W+N+PE				
Rated Grid Frequency	50Hz/60Hz				
THDI	<2%				
Rated output power	8000VA	8000VA	10000VA	12000VA	15000VA
Maximum output rated power	8800VA	8800VA	11000VA	13200VA	16500VA
Rated Output current	8.7A	11.5A	14.4A	17.3A	21.7A
Maximum output current	9.5A	12.7A	15.9A	19.1A	23.8A
Rated Output voltage	400V,3W+N+PE				
Rated Output Frequency	50Hz/60Hz				
THDU	<2%				
Maximum efficiency	97.9%	97.9%	98.2%	98.2%	98.5%
European Efficiency	97.2%	97.2%	97.5%	97.5%	97.6%
MPPT Efficiency	99.9%				
Maxmium Battery charge/discharge efficiency	97.5%	97.5%	97.5%	97.6%	97.8%
Long, wide, thick	530*560*220mm				
Weight	30kg	30kg	31kg	32kg	34kg