Hybride inverter, 12KW / 3 fase

MOD-12K-D04LVP3

Bekijk dit product in onze webshop



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- 100% ongebalanceerde uitgang – per fase tot 50% van het nominaal vermogen beschikbaar
- AC-coupling – geschikt voor retrofit van bestaande PV-installaties
- Parallel bedrijf – tot maximaal 10 units parallel voor zowel on-grid als off-grid toepassingen
- Flexibele batterijconfiguratie – ondersteuning voor meerdere batterijen parallel
- Hoog laad-/ontlaadvermogen – maximaal 240A laad-/ontlaadstroom
- Veilig laagspanningssysteem – 48V-batterij met transformator-geïsoleerd ontwerp
- Slim energiebeheer – tot 6 instelbare tijdsvensters voor laden en ontladen
- Dieselgenerator-ondersteuning – mogelijkheid om energie uit generatoren op te slaan
- Naadloze integratie – volledige koppeling met SMARTHUB-EMS voor intelligent energiemanagement

Technische specificaties:

Battery Input Data	
Battery Type	Lithium-ion
Battery Voltage Range (V)	40 - 60
Max. Discharging Current (A)	240
Max. Charging Current (A)	240
Charging Strategy for Li-ion Battery	Self-adaption to BMS
Number of Battery Input	1

PV String Input Data	
Max. PV Access Power (W)	24.000
Max. PV Input Power (W)	18.000
Max. PV Input Voltage (V)	800
Start-up Voltage (V)	160
MPPT Voltage Range (V)	200-650
Max. Operating PV Input Current (A)	26+13
Max. Input Short Circuit Current (A)	34+17
No. of MPP Trackers/No. of Strings MPP Trackers	2/2+1
AC Input/Output Data	
Rated PV Input Voltage (V)	550
Rated AC Input/Output Active Power(W)	12.000
Max. AC input/output Apparent Power (VA)	13.200
Rated AC input/output current (A)	18.2/17.4
Max. AC input/output Current (A)	20/19.1
Max. Contininuous AC Passthrough (grid to Load)(A)	45
Peak Power (off-grid)(W)	2 times of rated power, max 10seconds
Power Factor Adjustment Range	0.8 leading to 0.8 lagging
Rated Input/Output Voltage/Rang (V)	220/380V, 230/400V 0.85Un-1.1Un
Rated Input/Output Grid Frequency/Range (Hz)	50/45-55, 60/55-65
Grid connection Form	3L+N+PE
Total Current Harmonic Distortion THDi	3% (of nominal power)
DC Injection Current	0.5% In

Efficiency	
Max. Efficiency	97.6%
Euro Efficiency	97.0%
MPPT Efficiency	>99%
Equipment Protection	
Integrated	DC Reverse Polarity Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Component Monitoring, Arc Fault Circuit Interrupter (optional), Anti-islanding Protection, DC Switch, Insulation Impedance Detection, Residual Current Detection.
Surge Protection Level	TYPE II(DC), TYPE II(AC)
Interface	
Communication Interface	RS485/RS232/CAN
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)
General Data	
Brand	Ningbo Deye Inverter Technology Co., Ltd.
Operating Temperature Range (?)	-40 to +60?, >45? Derating
Permissible Ambient Humidity	0-100%
Permissible Altitude	2.000m
Noise (dB)	?55
Ingress Protection (IP) Rating	IP 65
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Cabinet Size (WxHxD) (mm)	422×658×254 (Excluding Connectors and Brackets)
Weight (kg)	38
Type of Cooling	Intelligent Air Cooling
Warranty	5 Years/10 Years. The Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G98, G99, VDE-AR-N 4105
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2

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Package contents	
Included	Hybrid inverter x1, Wall mouning bracket x1, Stainless steel anti-collision bolt M8×80 x4, Parallel communication cable x1, Battery temperature sensor x1, User manual x1, Sensor Clamp x3, DC+/DC- Plug connectors including metal terminal xN , WIFI Datalogger
box of magne?c ring	Magnetic ring for battery x1 (80x50x20 mm), Magnetic ring for BMS and Meter communication cable x2 (33x23x15 mm), Magnetic ring for external temperature sensor x1 (25.9x28x13 mm), Magnetic ring x3 (31x29x19 mm), Magnetic ring for AC wires x2 (55.5x33x23 mm)





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