Hybride inverter, 5KW / 3 fase

MOD-05K-D04LVP3

Bekijk dit product in onze webshop



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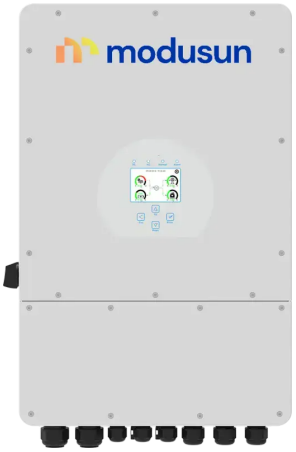
- 100% ongebalanceerde belasting mogelijk – ideaal voor ongelijke fasen
- AC-koppeling: eenvoudig te integreren in bestaande PV-installaties
- Tot 10 units parallel – geschikt voor zowel on-grid als off-grid gebruik, inclusief batterij-uitbreiding
- Robuuste laad-/ontlaadcapaciteit tot 120A
- Geschikt voor energieopslag uit dieselgeneratoren – ook in off-grid situaties
- Veilige 48Vdc laagspanningsbatterijen – flexibel schaalbaar en installatievriendelijk
- Naadloze integratie met SMARTHUB-EMS voor slim energiebeheer

Technische specificaties:

Battery Input Data	
Battery Type	Lithium-ion
Battery Voltage Range (V)	40 - 60
Max. Discharging Current (A)	120
Max. Charging Current (A)	120
Charging Strategy for Li-ion Battery	Self-adaption to BMS
Number of Battery Input	1
PV String Input Data	
Max. PV Access Power (W)	10.000
Max. PV Input Voltage (V)	800
Start-up Voltage (V)	160
MPPT Voltage Range (V)	160-650
Max. Operating PV Input Current (A)	13+13
Max. Input Short Circuit Current (A)	17+17
No. of MPP Trackers/No. of Strings MPP Trackers	2/1+1

AC Input/Output Data	
Rated PV Input Voltage (V)	550
Rated AC input/output current (A)	7.6/7.2
Max. AC input/output Current (A)	8.4/8
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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