



NEOSTAR


Modulo doppio vetro 3P+54

465 Wp - 495 Wp


Caratteristiche tecniche:


 Ottimizzazione dell'ombreggiatura parziale

 Migliore coefficiente di temperatura


 Limitazione temperatura hotspot

 Resistenza alle microfratture

 Potenza superiore

 BOS più basso

 Migliore estetica

 Tecnologia infinita



red dot winner 2023




Garanzia sul prodotto Estendibile a 25 anni*



Garanzia sulle prestazioni



Warranty partner

Munich RE 

495 Wp

Potenza nominale

24,8%

Efficienza modulo

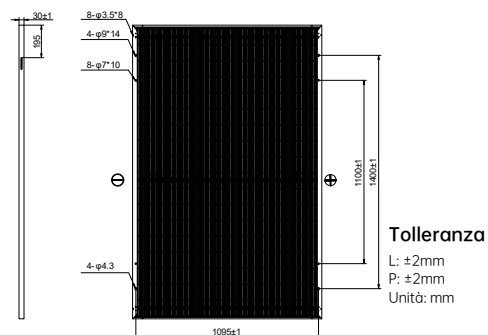
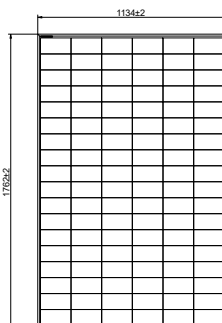
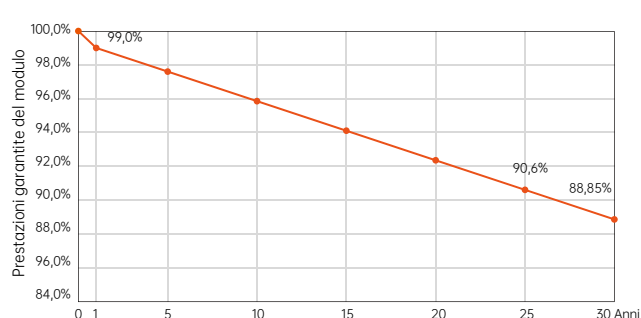
≤1%

Degrado dopo il primo anno

≤0,35%

Degrado annuo dal 2° al 30° anno

Garanzia lineare di 30 anni sulla potenza



Caratteristiche elettriche

(STC: AM1,5 1.000 W/m² 25 °C NOCT: AM1.5 800 W/m² 20 °C 1 m/s)

Tolleranza sulla potenza: 0~ + 3%

Tipo di modulo	AIKO-A465-MCE54Dw	AIKO-A470-MCE54Dw	AIKO-A475-MCE54Dw	AIKO-A480-MCE54Dw	AIKO-A485-MCE54Dw	AIKO-A490-MCE54Dw	AIKO-A495-MCE54Dw
Condizioni di prova	STC	NOCT	STC	NOCT	STC	NOCT	STC
P _{max} [W]	465	352	470	356	475	360	480
V _{oc} [V]	40,60	38,52	40,70	38,61	40,80	38,71	40,90
V _{mp} [V]	34,20	32,45	34,30	32,54	34,40	32,64	34,50
I _{sc} [A]	14,69	11,87	14,72	11,89	14,76	11,93	14,80
I _{mp} [A]	13,60	10,87	13,71	10,96	13,81	11,04	13,92
Efficienza del modulo	23,3%	23,5%	23,8%	24,0%	24,3%	24,5%	24,8%

Specifiche del prodotto

Tipo di cella	N-Type ABC
Vetro	Doppio vetro semi temperato, rivestito, spessore 2,0+2,0 mm
Cornice	Alluminio anodizzato nero
Cavo	4mm ² (IEC) 12 AWG (UL) ±1200 mm
N. di celle	108 (6*18)
Scatola di giunzione	IP68, tre diodi di bypass
Connettore	MC4 originale
Peso	24,2 kg ± 3%
Dimensioni	1762*1134*30 mm
Imballaggio	37 unità per pallet/222 unità per container 20' GP/962 unità per container 40' HC

Valori di temperatura (STC)

Coefficiente di temperatura di I_{sc} + 0,05%/°C

Coefficiente di temperatura di V_{oc} -0,22%/°C

Coefficiente di temperatura di P_{max} -0,26%/°C

Condizioni operative

Temperatura di esercizio	-40 °C ÷ +85 °C
Corrente massima fusibili	30 A
Classe di protezione	Classe II
Massima tensione di sistema	1.500 V CC
Massimo carico statico	Fronte 5400 Pa Retro 2400 Pa
Test della grandine	Grandine 35 mm di diametro a 23 m/s
Classe di resistenza al fuoco	IEC Classe A



DL5.0C

DL5.0C is designed for residential and small commercial applications, with up to 50 units in parallel and an energy range from 5.12 kWh to 256 kWh. It supports 1C discharge rate. With high cycle times and a long lifespan, it ensures worry-free electricity consumption.



Flexible Expansion

Up to 50 units in parallel, 5.12kWh--256kWh capacity



1C Discharge

Simultaneously supplying power to multiple loads, no need to worry about power outages



Automatic Self-heating

-20°C to 55°C operating temperature (optional)



Easy Installation

Support wall-mounted, floor-mounted, stacked and rack-mounted installations, high space utilization



Long-term Reliability

LFP cells, 6000+ cycles, 10 years warranty



All-round Safety

Short-circuit lockout, surge-resistant, safe and reliable

Model	DL5.0C
Battery Type	LiFePO ₄
Nominal Battery Energy	5.12 kWh
Nomina Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recomended Charge & Discharge C Rate	0.5C
Maximum Discharge Crate	1C
Recommended Charge/Discharge Current	50A
Max. Charge/Discharge Current	Charge 75A Discharge 100A
Peak Discharge Current	110A(15s)
Depth of Discharge (DOD)	90%
Net Weight	54kg
Dimension[W/D/H](mm)	558/545/150
Charging Temp. Range	0~55°C/-20~55°C (with heating function)
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Cycle Life *	≥6000 Cycles
Protection Level	IP20
WIFI Module	Optional
Expansion	Up to 50 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CEI-021/GOST-R
Compatible Inverterst	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/Growatt/Soplanet/Luxpower/DEYE etc.

* Test conditions: 0.2C Charging & Discharging. @25°C, 90% DOD



HYBRID SERIES

TriP2-LB-3P 6-20K (Three-Phase)

- Supports Three-phase unbalanced load and half-wave load
- Max. 3 MPPTs with 6 strings, Max. PV input: 30kW
- 48V low voltage battery, transformer isolation design
- Time of use, 8 time periods for charging & discharging
- Max. 6 pcs parallel for on grid & off grid
- Dedicated GEN port for
 - Auto GEN control
 - Smart load function
 - AC coupling function



Low Voltage



Model	TriP2-LB-3P 6K	TriP2-LB-3P 8K	TriP2-LB-3P 10K	TriP2-LB-3P 12K	TriP2-LB-3P 15K	TriP2-LB-3P 15KPRO	TriP2-LB-3P 20K	
Input (PV DC)								
Max. PV input power (W)	9000	12000	15000	18000	22500	22500	30000	
Rated PV input voltage (V)	690							
Number of independent MPPT inputs	2/(2:2)			3/(2:2:2)				
Max. PV input voltage (V)	1000							
MPPT voltage range (V)	200~900							
Start-up voltage (V)	100							
Max. PV input current per MPPT (A)	20/20			40/40/40				
Max. PV short-circuit current input per MPPT	25/25			50/50/50				
Battery								
Compatible battery type	Lithium-ion/Lead-Acid							
Battery voltage range (V)	40-60							
Max. charging/discharging current (A)	150	200	220	250	250	315	350	
Max. charging/discharging power (W)	6000	8000	10000	12000	12000	15000	16800	
Charging Strategy for Li-ion Battery	Self-adaption to BMS							
Input AC (Grid)								
Input voltage range	3L/N/PE, 230/400Vac							
Rated AC frequency (Hz)	50/60							
Max. AC input power (W)	7500	10000	12500	15000	18750	18750	25000	
Max. input current	11.36	15.15	18.94	22.73	28.41	28.41	37.88	
Output AC (Grid)								
Rated AC voltage (V)	3L/N/PE, 230/400Vac							
Rated AC frequency (Hz)	50/60							
Rated AC output power (W)	6000	8000	10000	12000	15000	15000	20000	
Rated AC output current (A)	9.09	12.12	15.15	18.18	22.73	22.73	30.30	
Max. AC output apparent power (VA)	7500	10000	12500	15000	18750	18750	25000	
Max. AC input current (A)	11.36	15.15	18.94	22.73	28.41	28.41	37.88	
PF	0.99(Adjustable from 0.8 leading to 0.8 lagging)							
THDI	< 3%							
Max. continuous AC passthrough current (A)	30		50			70		
GEN								
Rated GEN voltage (V)	3L/N/PE, 230/400Vac							
Rated GEN frequency (Hz)	50							
Rated GEN input current (A)	30							
Rated GEN input power (W)	12000							
Rated GEN current of BYPASS relays (A)	60							
UPS								
Rated output power (W)	6000	8000	10000	12000	15000	15000	20000	
Rated output voltage (V)	3L/N/PE, 230/400Vac							
Rated output current (A)	9.09	12.12	15.15	18.18	22.73	22.73	30.30	
Rated output frequency (Hz)	50/60							
Surge power, duration	1.5Pn, 10s							
Switching time	20ms							
Wave form	Sine wave							
THDV	<3%							
Efficiency								
Max. efficiency	97.7%							
EU efficiency	97.0%							
Protection								
PV reverse polarity protection	YES							
Over current/voltage protection	YES							
Anti-islanding protection	YES							
AC Short-circuit protection	YES							
Leakage current protection	YES							
Grid monitoring	YES							
DC switch	YES							
Ingress protection	YES							
DC Surge protection	YES							
AC Surge protection	YES							
General								
Dimensions(W*H*D)	TBD							
Weight	TBD							
Ingress protection rating	IP66							
Operating environment temperature range(°C)	-25~+60, >45°C derating							
Storage temperature range(°C)	-25~+60							
Relative humidity	0~100							
Display & Communication interface	Touch color screen, RS485/Wifi/CAN							
Warranty	5/10 years							
Cooling method	Smart cooling							
Topology	Transformer-less							
Altitude	<2000m							
Noise emission(typical)	<50dB							
Standards & Certification								