



## **Sistema All-In-One per l'accumulo di energia elettrica da 5 kWh a 30kWh**

PV-AIO6K05 | PV-AIO6K10 | PV-AIO6K15  
PV-AIO6K20 | PV-AIO6K25 | PV-AIO6K30

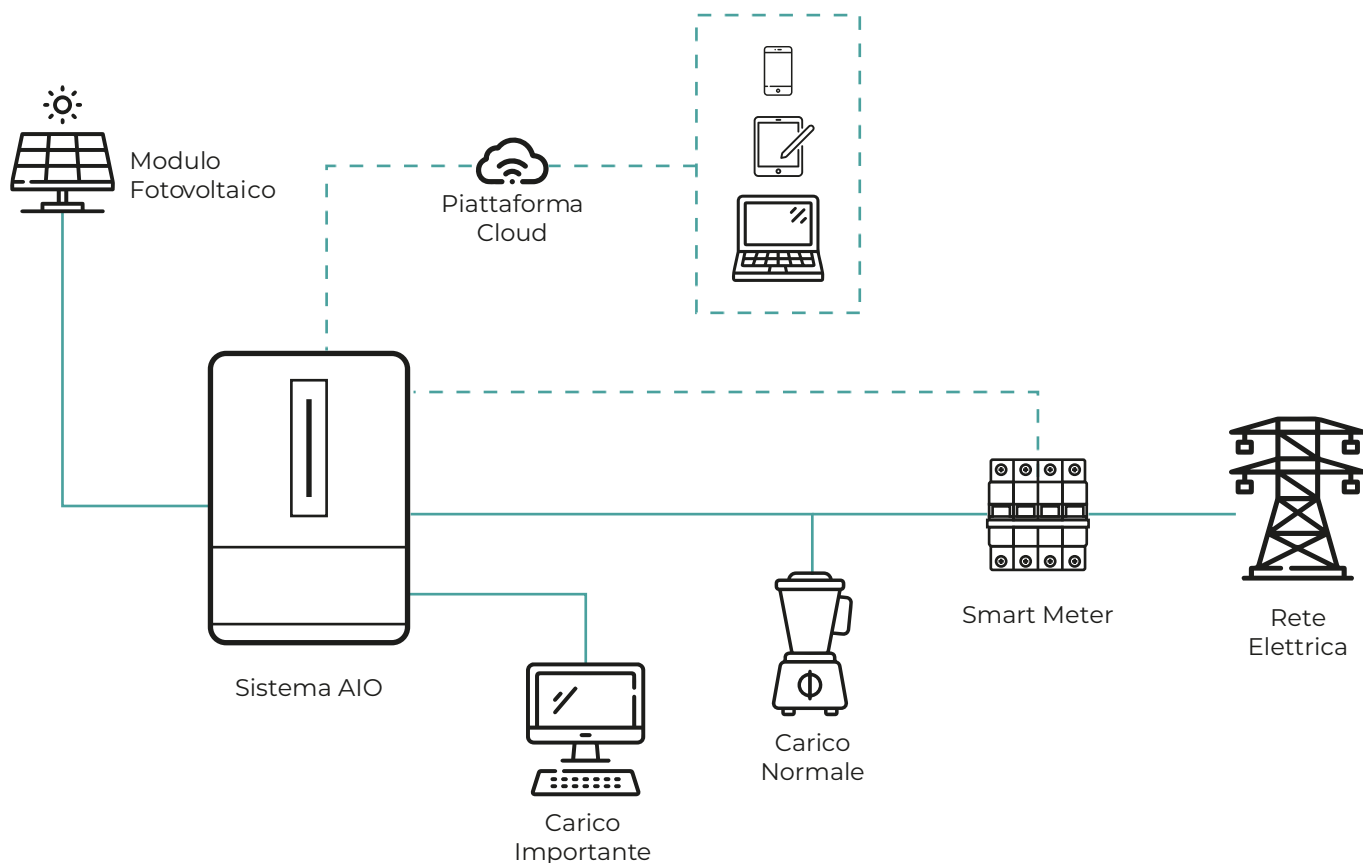


# Energia Illimitata

## Scopri il Potenziale del Sistema All-In-One

- Design integrato del case, con linee aerodinamiche ed elegante aspetto estetico.
- Custodia in lega di alluminio IP65, impermeabile e antipolvere.
- Design ad incastro per un'installazione agevole.
- Plug-and-play dei moduli con riconoscimento automatico.
- Espansione flessibile della capacità della batteria.
- Configurazione flessibile di vari modi di funzionamento secondo le preferenze.
- Passaggio senza interruzioni alla modalità di emergenza per garantire che i carichi non si spengano.
- Sicurezza e stabilità con monitoraggio intelligente 24 ore su 24.

### Schema del funzionamento del sistema



# Specifiche tecniche

MODEL	PV-AIO6K05	PV-AIO6K10	PV-AIO6K15	PV-AIO6K20	PV-AIO6K25	PV-AIO6K30
Number of battery modules	1	2	3	4	5	6
Battery capacity	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh
Rated power	6000 W					
Operating mode	Supporting monitoring software					
<b>PV INPUT</b>						
Max. input power	7800 W					
Max. input voltage	550 Vdc					
Rated input voltage	360 Vdc					
Start-up voltage	100 Vdc					
Min. operating voltage	150 Vdc					
MPPT voltage range (Full load)	100 ~ 540 Vdc (250 ~ 450 Vdc)					
Max. Input current	15 A / 15 A					
Number of MPPTs	2					
<b>GRID-CONNECTED OUTPUT</b>						
Output grid	Single phase (L+N+PE)					
Rated output power	6000 VA / 6000 W					
Rated output voltage	230 Vac					
AC voltage range	184 ~ 276 Vac					
Rated frequency	50 / 60 Hz					
Frequency range	50 ± 5 / 60 ± 5 Hz					
Rated output current	26.09 A					
Power factor	0.8 (leading) ~ 0.8 (lagging)					
THDi (@ Rated power)	≤ 3 %					
<b>OFF-GRID OUTPUT</b>						
Rated output power	6000 VA / 6000 W					
Rated output voltage	230 Vac (208 / 220 / 240 Vac settable)					
Rated output current	26.09 A					
AC voltage range	184 ~ 276 Vac					
Frequency range	50 / 60 Hz ± 1 %					
THDv	≤ 3 % (linear load)					
Overload capacity	110%, 60S / 120%, 30S					
Transfer time	≤ 20 ms					
<b>BATTERY</b>						
Battery type	LFP					
Rated voltage	48 Vdc					
Battery voltage range	42 ~ 58 Vdc					
Max. charging current	100 A					
AC charge	Support					
Max. charging voltage	58 V (settable)					
Max. discharging current	120 A					
Charging curve	BMS (lithium battery)					
<b>EFFICIENCY</b>						
Max. efficiency	97.8%					
MPPT efficiency	99.9%					
Battery charge & discharge efficiency	94%					
<b>OTHERS</b>						
Protections	Over/under voltage, over/under frequency, overload, output short-circuit, over temperature, leakage current, insulation resistance, anti-islanding, PV and battery input reverse polarity, output over current protection					
Communications	USB / RS485 (standard); Wi-Fi / GPRS (optional)					
Warning	Buzzer, warning light					
Display	Null					
Standard	EN 62109-1, IEC62109-2, EN 61000-6-2, EN 61000-6-3, VDE-AR-N 4105, DIN VDE 0126-1-1, DIN VDE 0124-100, CEI 0-21, G83					
IP rating	IP 65					
Operating temperature	-20 ~ 55°C					
Cooling	Natural cooling					
Installation method	Module stacking, floor-mounted wall fixing					
Relative humidity	≤ 95%					
Altitude	≤ 3000m (> 3000m derating)					
Noise	≤ 25 dB					
Topology	High frequency isolation (for battery)					
Dimension (W×H×D) (mm)	600×778×305	600×998×305	600×1218×305	600×1438×305	600×1658×305	600×1878×305
Weight (kg)	93	143	193	243	293	343