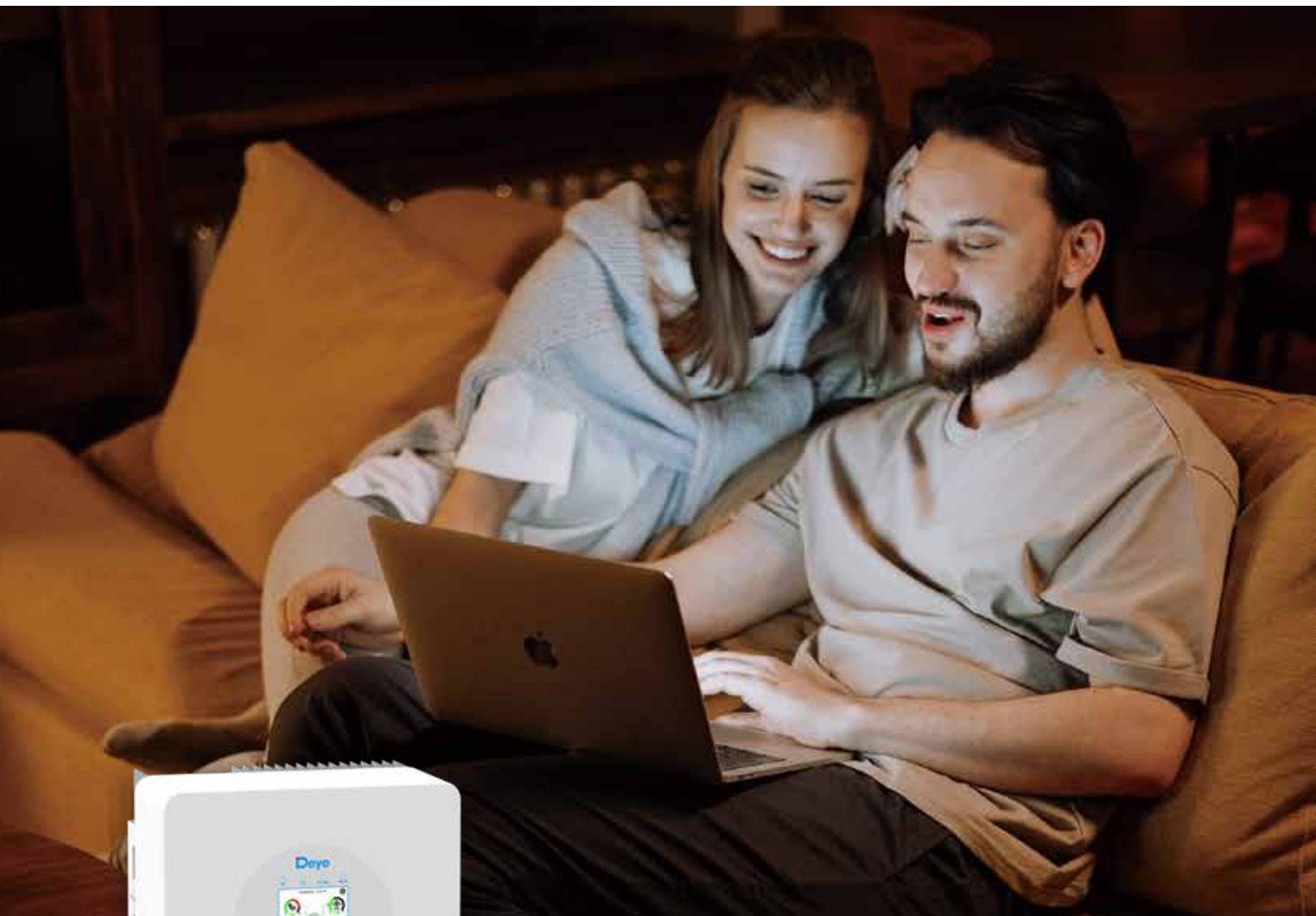








Hybrid Inverter

SUN-3/3.6K-SG04LP1



-  Colorful touch LCD, IP65 protection degree
-  6 time periods for battery charging/discharging
-  120 Max. charging/discharging current of 120A
-  16 Frequency droop control, Max.16pcs parallel
-  DC couple and AC couple to retrofit existing solar system
-  Support storing energy from diesel generator

Deye

Clean Power For You

Model	SUN-3K-SG04LP1-24	SUN-3K-SG04LP1	SUN-3.6K-SG04LP1
Battery Input Data			
Battery Type	Lead-acid or Lithium-ion		
Battery Voltage Range (V)	20~30	40~60	40~60
Max. Charging Current (A)	140	70	85
Max. Discharging Current (A)	140	70	85
Charging Curve	3 Stages / Equalization		
External Temperature Sensor	Yes		
Charging Strategy for Li-Ion Battery	Self-adaption to BMS		
PV String Input Data			
Max. DC Input Power (W)	3900	3900	4680
PV Input Voltage (V)	370 (100~500)		
MPPT Range (V)	125~425		
Full Load DC Voltage Range (V)	240~425		
Start-up Voltage (V)	150		
PV Input Current (A)	13	13	13+13
Max. PV ISC (A)	16.5	16.5	16.5+16.5
No.of MPPT Trackers	1	1	2
No.of Strings Per MPPT Tracker	1	1	1+1
AC Output Data			
Rated AC Output and UPS Power (W)	3000	3000	3600
Max. AC Output Power (W)	3300	3300	3960
Peak Power (off grid)	2 times of rated power, 10 S		
AC Output Rated Current (A)	13	13	16
Max. AC Current (A)	15	15	18
Max. Continuous AC Passthrough (A)	35		
Power Factor	0.8 leading to 0.8 lagging		
Output Frequency and Voltage	50/60Hz; 220/230 / 240Vac (single phase)		
Grid Type	Single Phase		
Current Harmonic Distortion	THD<3% (Linear load<1.5%)		
Efficiency			
Max. Efficiency	97.60%		
Euro Efficiency	96.50%		
MPPT Efficiency	99.90%		
Protection			
PV Input Lightning Protection	Integrated		
Anti-islanding Protection	Integrated		
PV String Input Reverse Polarity Protection	Integrated		
Insulation Resistor Detection	Integrated		
Residual Current Monitoring Unit	Integrated		
Output Over Current Protection	Integrated		
Output Shorted Protection	Integrated		
Output Over Voltage Protection	Integrated		
Surge protection	DC Type II / AC Type II		
Certifications and Standards			
Grid Regulation	VDE 0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727, RD1699: 2011, XP C15-712-3, CEI 0-21		
Safety Regulation	IEC62109-1, IEC62109-2		
EMC	EN61000-6-1, EN61000-6-3		
General Data			
Operating Temperature Range (°C)	-25~60°C, >45°C Derating		
Cooling	Natural cooling		
Noise (dB)	<30 dB		
Communication with BMS	RS485; CAN		
Weight (kg)	14		
Size (mm)	330Wx559.5Hx228D		
Protection Degree	IP65		
Installation Style	Wall-mounted		
Warranty	5 years		