

Three Phase String Inverter

SUN-18/20/22/23/25K-G05



2 MPP trackers, Max. efficiency up to 98.6%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

Deye

Stock Code: 605117.SH

Model	SUN-18K-G05	SUN-20K-G05	SUN-22K-G05	SUN-23K-G05	SUN-25K-G05
PV String Input Data					
Max. PV Input Power (kW)	23.4	26	28.6	29.9	32.5
Max. PV Input Voltage (V)	1000				
Start-up Voltage (V)	250				
MPPT Voltage Range (V)	200-1000				
Rated PV Input Voltage (V)	600				
Max. Operating PV Input Current (A)	26+26				
Max. Input Short Circuit Current (A)	39+39				
No. of MPP Trackers/ No. of Strings per MPP Tracker	2/2+2				
AC Output Side					
Rated AC Output Active Power (kW)	18	20	22	23	25
Max. AC Output Apparent Power (kVA)	19.8	22	24.2	25.3	27.5
Rated AC Output Current (A)	27.3/26.1	30.3/29	33.4/31.9	34.9/33.4	37.9/36.2
Max. AC Output Current (A)	30/28.7	33.3/31.9	36.7/35.1	38.4/36.7	41.7/39.8
Rated Output Voltage/Range (V)	220/380V, 230/400V 0.85Un-1.1Un				
Grid Connection Form	3L/N/PE				
Rated Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65				
Power Factor Adjustment Range	0.8 leading to 0.8 lagging				
Total Current Harmonic Distortion THDi	<3%				
DC Injection Current	<0.5In				
Efficiency					
Max. Efficiency	98.5%				
Euro Efficiency	98%				
MPPT Efficiency	>99%				
Equipment Protection					
DC Polarity Reverse Connection Protection	Yes				
AC Output Overcurrent Protection	Yes				
AC Output Overvoltage Protection	Yes				
AC Output Short Circuit Protection	Yes				
Thermal Protection	Yes				
DC Terminal Insulation Impedance Monitoring	Yes				
DC Component Monitoring	Yes				
Ground Fault Current Monitoring	Yes				
Power Network Monitoring	Yes				
Island Protection Monitoring	Yes				
Earth Fault Detection	Yes				
Overvoltage Load Drop Protection	Yes				
Residual Current (RCD) Detection	Yes				
Surge Protection Level	TYPE II(DC), TYPE II(AC)				
Interface					
Communication Interface	RS485/RS232				
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)				
General Data					
Operating Temperature Range (°C)	-25 to +60°C, >45°C Derating				
Permissible Ambient Humidity	0-100%				
Permissible Altitude (m)	4000m				
Noise (dB)	≤50				
Ingress Protection(IP) Rating	IP 65				
Inverter Topology	Non-Isolated				
Over Voltage Category	OVC II(DC), OVC III(AC)				
Cabinet Size (WxHxD mm)	362×527×220 (Excluding Connectors and Brackets)				
Weight (kg)	20				
Warranty	5 Years				
Type of Cooling	Intelligent Air Cooling				
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105				
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				



S.R.L. "CertElectroTest"
Certificare Voluntară

CERTIFICAT DE CONFORMITATE

Nr. de înregistrare **OCpr - CET 13 C230457-23**

Data emiterii **28 decembrie 2023**

Valabil până la **28 decembrie 2024**

ORGANISMUL DE CERTIFICARE OCpr - CET

ORGANISMUL DE CERTIFICARE PRODUSE (OCpr) din cadrul S.R.L. "CertElectroTest" (CET),
Adresa: str. Alba Iulia, 75A, of. 402, MD 2071, mun. Chișinău; tel.: +373 69585111, +373 69304950; e-mail: cet3.office@gmail.com

**PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL, CĂ PRODUSELE IDENTIFICATE ASTFEL:
DENUMIREA / DESCRIEREA**

Convertizoare statice, fotovoltaice marca **DEYE** modele: **SUN-2K-G; SUN-3K-G; SUN-8K-G; SUN-100K-G03, SUN-10K-G03, SUN-15K-G03, SUN-50K-G03, SUN-5K-G03, SUN-8K-G03, SUN-20K-G04, SUN-25K-G04, SUN-40K-G04** - unde (...) - cifre și/sau litere ce reprezintă variantele modelului

Contract de livrare f/nr din 12.08.2022 cu Ningbo Deye Inverter Technology Co., LTD, China

SÎNT CONFORME CU CERINȚELE OBLIGATORII STABILITE ÎN :

SM SR EN 62109 -1:2012 cap. 5, 6, 7, 8, 13, 14;
SM SR EN 62109-2:2013

PRODUCĂTOR

Ningbo Deye Inverter Technology Co., LTD, China

SOLICITANT

S.C. "HABSEV GRUP" S.R.L., str. Uzinelor, 90, mun. Chișinău,
Republica Moldova.

CERTIFICATUL ESTE ELIBERAT ÎN BAZA

Raport de evaluare final Nr. 205-RE din 28.12.2023, eliberat de OCP din cadrul CET, mun. Chișinău, str. Alba Iulia nr.75A, of. 402, MD 2071, RM; Raport de încercări Nr.1064/23 din 28.12.2023, eliberat de LÎ CERTIFICARE SRL, MD 2001, mun. Chișinău, bl.Gagarin 2, certificat de acreditare LÎ-134 din 04.07.2022.

INFORMAȚIE SUPLIMENTARĂ:

Schema de certificare 2. Certificatul este valabil doar în cazul asigurării cu informație în limba de stat a fiecărei unități de produs conform legislației în vigoare. Contract de prestări servicii Nr. 031 din 04.02.2022

**Conducătorul organismului
de certificare**



Popescu Diana

Codul NCM

8504

Codul țării

CN

Codul IDNO

1006600038877



Dongguan BALUN Testing Technology Co., Ltd.

Room 104, 204, 205, Building 1, No. 6, Industrial South Road, Songshan Lake District, Dongguan, Guangdong, China

VERIFICATION OF CONFORMITY

Certificate No.: BL-DG2150677D03

Applicant: NingBo Deye Inverter Technology Co., Ltd.

Address: No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Manufacture: NingBo Deye Inverter Technology Co., Ltd.

Address: No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Product: PV Solar Grid Tie Inverter

Brand name: 

Model name: SUN-36K-G04, SUN-35K-G04, SUN-33K-G04, SUN-30K-G04,
SUN-25K-G04, SUN-20K-G04, SUN-18K-G04

The submitted sample of the above product has been tested according with below Standard(s) :

Applied Standards:	Report No.:
IEC 61000-6-1:2016; IEC 61000-6-3:2020; IEC 61000-6-2:2016; IEC 61000-6-4:2018; IEC 61000-3-11:2017; IEC 61000-3-12:2011	BL-DG2150677-401(G1)

