STABLE OUTDOOR POWER

FOR SECURITY WITHOUT LIMITS

Foldable high-efficiency solar systems with LiFePO4 storage for reliable CCTV operation wherever mains power is unavailable.

23%+

SOLAR CONVERSION

IP65 • LiFePO4 • MPPT

FOUR SCALABLE CONFIGURATIONS

40 W — ECS-G4030



MONOCRYSTALLINE

1 x 530 x 390 x 17 mm

BATTERY

12.8 V / 30 Ah / 384 Wh

FULL CHARGE

10-12 h strong sunlight

8 W CAMERA BACKUP

2 days in cloudy weather

12 V / 3 A • IP65 • MPPT • >95% charging

60 W — ECS-G6030



MONOCRYSTALLINE

2 x 390 x 390 x 17 mm

BATTERY

12.8 V / 30 Ah / 384 Wh

FULL CHARGE

7-9 h strong sunlight

8 W CAMERA BACKUP

2 days in cloudy weather

12 V / 3 A • IP65 • MPPT • >95% charging

60 W — ECS-G6050



MONOCRYSTALLINE

2 x 390 x 390 x 17 mm

BATTERY

12.8 V / 50 Ah / 640 Wh

FULL CHARGE

10-12 h strong sunlight

8 W CAMERA BACKUP

3-4 days in cloudy weather

12 V / 3 A • IP65 • MPPT • >95% charging

120 W — ECS-G12060



MONOCRYSTALLINE

2 x 390 x 810 x 20 mm

BATTERY

12.8 V / 60 Ah / 768 Wh

FULL CHARGE

8-10 h strong sunlight

8 W CAMERA BACKUP

5-6 days in cloudy weather

12 V / 3 A • IP65 • MPPT • >95% charging

Estimated backup assumes an 8 W camera; charging time assumes strong sunlight.

HDS - High Definition Systems
Mokraď, Žilinský kraj, Slovakia

info@hds.sk | info@hdsas.eu
www.hds.sk | www.hdsas.eu

MADE IN EUROPE

TECHNICAL COMPARISON

Complete specification from the supplied product source.

SPECIFICATION	ECS-G4030	ECS-G6030	ECS-G6050	ECS-G12060
Panel size	1 x 530 x 390 x 17 mm	2 x 390 x 390 x 17 mm	2 x 390 x 390 x 17 mm	2 x 390 x 810 x 20 mm
Panel output	40 W / 18 V	60 W / 18 V	60 W / 18 V	120 W / 18 V
Cell / efficiency	Monocrystalline / >=23%	Monocrystalline / >=23%	Monocrystalline / >=23%	Monocrystalline / >=23%
Weather protection	IP65	IP65	IP65	IP65
Battery type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery capacity	12.8 V / 30 Ah / 384 Wh	12.8 V / 30 Ah / 384 Wh	12.8 V / 50 Ah / 640 Wh	12.8 V / 60 Ah / 768 Wh
Standard output	12 V / 3 A	12 V / 3 A	12 V / 3 A	12 V / 3 A
External charger	16.8-21 V Li-ion	16.8-21 V Li-ion	16.8-21 V Li-ion	16.8-21 V Li-ion
DC connector	5.5 x 2.1 mm	5.5 x 2.1 mm	5.5 x 2.1 mm	5.5 x 2.1 mm
Strong-sun full charge	10-12 h	7-9 h	10-12 h	8-10 h
8 W camera / cloudy	2 days	2 days	3-4 days	5-6 days
Packing box	630 x 290 x 480 mm	630 x 290 x 480 mm	630 x 290 x 480 mm	880 x 440 x 320 mm
Gross weight	10.5 kg	11.2 kg	12.7 kg	18.5 kg
Working temperature	-10 °C to +60 °C	-10 °C to +60 °C	-10 °C to +60 °C	-10 °C to +60 °C

CONTROL & PROTECTION

MPPT controller · **10 A lightning / surge protection** · **Anti-short-circuit BMS** · **Charging efficiency >95%**

OPTIONAL CONNECTIONS

5 V / 4 A DC • USB-C • Micro-USB • USB 2.0 • RS485 communication

COMPATIBLE CAMERA BRANDS

HANWHA VISION | i-PRO | DAHUA | HIKVISION | MILESIGHT | ULTRA

CAMERA EXAMPLES BY FORM FACTOR



WIRELESS
SP111/41/LTE-NA
2.8 mm



WIRELESS
SC211-AU
16 mm / 850 nm



WIRELESS
SC411/42/LTE-EU
4 mm



OPENVISION
MS-C5366
RFIPKG1



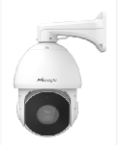
OPENVISION
MS-C5372
RFIPKG1



OPENVISION
MS-C8477-HPKG1
180° panoramic



TS
TS5510-GH
TrafficX



TS
TS4441-X36RPE
Speed Dome

Original product images sourced from the supplied Wireless, OpenVision and Transportation price lists.

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