



1 TYPICAL DETAILS
SCALE: 3/8"=1'-0"

powered by

Q.ANTUM DUO

Q. PEAK DUO L-G6.3

405-425

ENDURING HIGH PERFORMANCE

2017

TOP BRAND PV

2019

PHOTON

2019

Q CELLS

2019

2017

TOP BRAND PV

2019

PHOTON

2019

Q CELLS

2019

Q.ANTUM TECHNOLOGY: LOW LEVELED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 20.1%.

INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behaviour.

ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID Technology, Anti PID Technology¹, Hot-Spot Protect and Traceable Quality Tra.Q™.

EXTREME WEATHER RATING

High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (2400 Pa).

A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance warranty².

¹ APT test conditions according to IEC/TS 62804-1:2015, method B (1500V, 168h)

² See data sheet on rear for further information.

THE IDEAL SOLUTION FOR:

- Rooftop arrays on commercial/industrial buildings
- Ground-mounted solar power plants

Engineered in Germany

Q CELLS

SUNNY TRIPOWER CORE1 33-US / 50-US / 62-US

Fully integrated

- Innovative design requires no additional racking for rooftop installation
- Integrated DC and AC disconnects and overvoltage protection
- 12 direct string inputs for reduced labor and material costs

Increased power, flexibility

- Multiple power ratings for small to large scale commercial PV installations
- Six MPPT trackers for flexible stringing and maximum power production
- OptiTrack™ Global Peak shade tolerant MPPT tracking

Enhanced safety, reliability

- Integrated SunSpec P/C signal for module-level rapid shutdown compliance to 2017 NEC
- NextGen DC AFCI arc-fault protection certified to new Standard UL 1699B Ed. 1

Smart monitoring, control, service

- Advanced smart inverter grid support capabilities
- Increased ROI with SMA emneXOS cross sector energy management platform
- SMA Smart Connected proactive O&M solution reduces time spent diagnosing and servicing in the field

SUNNY TRIPOWER CORE1 33-US / 50-US / 62-US

It stands on its own

The Sunny Tripower CORE1 is the world's first free-standing PV inverter for commercial rooftops, carports, ground mount and repowering legacy solar projects. Now with expanded features and new power classes, the CORE1 is the most versatile, cost-effective commercial solution available. From distribution to construction to operation, the Sunny Tripower CORE1 enables logistical, material, labor and service cost reductions. Integrated SunSpec P/C for rapid shutdown and enhanced DC AFCI arc-fault protection ensure compliance to the latest safety codes and standards. With Sunny Tripower CORE1 and SMA's emneXOS cross sector energy management platform, system integrators can deliver comprehensive commercial energy solutions for increased ROI.

www.SMA-America.com

VCPG LED Parking Garage

Specifications

Diameter: 19"

Height: 3.75" (4.85" with top light)

Weight (max. with no options): 18 lbs

Introduction

The all new VCPG LED (Visually Comfortable Parking Garage) luminaire is designed to bring glare control, optical performance and energy savings into one package. The recessed lens design of VCPG LED minimizes high angle glare, while its precision molded acrylic lens eliminates LED pixilation and delivers the required minimums, verticals and uniformity. The dedicated up-light module option reduces the contrast between the luminaire and the ceiling creating a more visually comfortable environment.

The VCPG LED delivers up to 87% in energy savings when replacing 175W metal halide luminaires. With over 100,000 hour life expectancy (12+ years of 24/7 continuous operation), the VCPG LED luminaire provides significant maintenance savings over traditional luminaires.

Ordering information

EXAMPLE: VCPG LED V4 P4 40K 70CRI TSM MVOLT SRM DNAXD

Series	LED Light Engines	Package	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
VCPG LED	V4 ¹ V8 ¹	P1 ¹ P2 ¹ P3 ¹ P4 ¹ P5 ¹ P6 ¹ P7 ¹	300K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 80CRI	TSM Type V, medium TSR Type V, rectangular TSW Type V, wide TSE Type V, entry LANE ¹ Drive lane	MVOLT 347 120 480 208 277 240 347 347 480 480	Shipped included PM Pendant mount standard (24-inch length supply leads) SRM Surface mount (24-inch length supply leads) ARM Arm mount (use RSVIBA accessory to mount to a wall) Shipped separately YK Yoke/transtorm mount ¹

Options

Shipped installed

UPL1 Up-Light: 500 lumens
UPL2 Up-Light: 700 lumens
EMKC Emergency battery backup, Certified in CA Title 20 MALSBS (8W, -20°C min)^{1,2,3,4}
E10WH Emergency battery backup, Certified in CA Title 20 MALSBS (10W, 0°C min)^{1,2,3,4}
HA High ambient (50°C, only P1-P4)
SF Single fuse (120V, 277V, 347V)
DF Double fuse (208V, 240V, 480V)
SPD10WV 10WV surge block
LD536 36in (30) lead length
LD572 72in (60) lead length
LD5108 108in (90) lead length
DMG External 0-10V leads (no controls)¹

Standalone Sensors/Controls¹

PIR Motion/ambient sensor for 8-15' mounting heights
PIR8 Motion/ambient sensor for 15-30' mounting heights
PIR8FCV Motion/ambient sensor for 8-15' mounting heights, pre-programmed to 3K and 35% light output
PIR8FCV924 UL924 Listed motion/ambient sensor for emergency circuit for 8-15' mounting heights, pre-programmed to 3K and 35% light output¹
PIR8FCV924 UL924 Listed motion/ambient sensor for emergency circuit for 15-30' mounting heights, pre-programmed to 3K and 35% light output¹

Networked Sensors/Controls¹

NLSR2 PIR nLIGHT AIB Wireless enabled motion/ambient sensor for 8-15' mounting heights
NLSR2 PIR8 nLIGHT AIB Wireless enabled motion/ambient sensor for 15-30' mounting heights
NLSR2 PIR824 nLIGHT AIB Wireless enabled, UL 924 Listed motion/ambient sensor for emergency circuits for 8-15' mounting heights¹
NLSR2 PIR824 nLIGHT AIB Wireless enabled, UL 924 Listed motion/ambient sensor for emergency circuits for 15-30' mounting heights¹
XAO XPoint™ Wireless enabled¹
XAO24 XPoint™ Wireless enabled, UL 924 Listed for emergency circuit¹
XAO PIR XPoint™ Wireless enabled motion/ambient sensor for 8-15' mounting heights
XAO PIR8 XPoint™ Wireless enabled motion/ambient sensor for 15-30' mounting heights
XAO24 PIR XPoint™ Wireless enabled, UL 924 Listed motion/ambient sensor for emergency circuits for 8-15' mounting heights¹
XAO24 PIR8 XPoint™ Wireless enabled, UL 924 Listed motion/ambient sensor for emergency circuits for 15-30' mounting heights¹

Shipped separately

WV Wire Guard
BS5 Bird Shield
HS House Side Shield

Finish (optional)

DWHD White
DNAXD Natural aluminum
DOB8D Dark bronze
DOB8D Black

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800-705-SERV (378) • www.lithonia.com
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VCPG LED
Rev. 01/30/20

200 HARBORSIDE DRIVE
SUITE 200
SCHENECTADY, NY 12305

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DISTRIBUTED SOLAR DEVELOPMENT

SEAL & SIGNATURE:

PROJECT NAME:
MONROE TOWNSHIP
PUBLIC LIBRARY
PARKING CANOPY - SOLAR PV SYSTEM

PROJECT ADDRESS:
713 MARSHA AVE
WILLIAMSTOWN, NJ
08094

PROJECT NAME:

CHECKED BY:

DRAWN BY:

REVISION DESCRIPTION

DATE:

NO.

1

8-7-20

PRELIMINARY DESIGN REVIEW

DETAILS &
EQUIPMENT
SPEC'S

SHEET TITLE:

SHEET NO.:

A-200