



# Microinverter Model: DS3-S

ALTENERGY POWER SYSTEM Inc. www.APsystems.com

Made in China

Maximum Input Voltage:	60VDC	Maximum Continuous Output Power(ac):	640VA
Range Of Input Operating Voltage:	16V-60VDC	Oper. Freq. Range(min/nom/max):	59.3Hz/60Hz/60.5Hz
Peak Power Tracking Voltage:	22V-48VDC	Oper. Voltage Range(min/nom/max)(ac):	211.2V 240V 264V
Maximum Input Current(dc):	16A×2	Maximum Continuous Output Current(ac):	2.7A
Enclosure Environmental Rating:	Type 6	Output Power Factor Rating:	>0.99(-0.7~0.7 adjustable)
Operating Ambient Temperature Range:	-40°C to +65°C		

**CAUTION:** Hot surfaces – To reduce the risk of burns – Do not touch. Risk of Electric Shock. Normally Grounded Conductors May Be Ungrounded and Energized When a Ground-Fault is Indicated. Do Not Remove Cover. No User Serviceable Parts Inside. Refer Servicing To Qualified Service Personnel. Both ac and dc voltage sources are terminated inside this equipment. Each circuit must be disconnected individually. The service person must wait 5 minutes before servicing. When the photovoltaic array is exposed to light, it supplies a dc voltage to this equipment. This inverter has an integral DC Ground Fault Detector / Interrupter (GFDI). This Utility Interactive Inverter contains active anti-islanding protection (IEEE 1547) and is tested per FCC/IC (CAN ICES-003(B)/NMB-003(B)).



SM-000009

FCC ID: 2AFGR-DS3  
IC: 20481-DS3

**WARNING:** Shock Hazard. Energized from both ac and dc sources. Disconnect all sources before servicing.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



Warning: Risk of shock. Only qualified personnel should install and/or replace APsystems microinverter.



Identification Number

Work Order Number



# Microinverter Model: DS3-L

ALTENERGY POWER SYSTEM Inc. www.APsystems.com

Made in China

Maximum Input Voltage:	60VDC	Maximum Continuous Output Power(ac):	768VA
Range Of Input Operating Voltage:	16V-60VDC	Oper. Freq. Range(min/nom/max):	59.3Hz/60Hz/60.5Hz
Peak Power Tracking Voltage:	25V-55VDC	Oper. Voltage Range(min/nom/max)(ac):	211.2V 240V 264V
Maximum Input Current(dc):	18A×2	Maximum Continuous Output Current(ac):	3.2A
Enclosure Environmental Rating:	Type 6	Output Power Factor Rating:	>0.99(-0.7~0.7 adjustable)
Operating Ambient Temperature Range: -40°C to +65°C			

**CAUTION:** Hot surfaces – To reduce the risk of burns – Do not touch. Risk of Electric Shock. Normally Grounded Conductors May Be Ungrounded and Energized When a Ground-Fault is Indicated. Do Not Remove Cover. No User Serviceable Parts Inside. Refer Servicing To Qualified Service Personnel. Both ac and dc voltage sources are terminated inside this equipment. Each circuit must be disconnected individually. The service person must wait 5 minutes before servicing. When the photovoltaic array is exposed to light, it supplies a dc voltage to this equipment. This inverter has an integral DC Ground Fault Detector / Interrupter (GFDI). This Utility Interactive Inverter contains active anti-islanding protection (IEEE 1547) and is tested per FCC/IC (CAN ICES-003(B)/NMB-003(B)).



SM-000009

FCC ID: 2AFGR-DS3  
IC: 20481-DS3

**WARNING:** Shock Hazard. Energized from both ac and dc sources. Disconnect all sources before servicing.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



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Identification Number

Work Order Number



# Microinverter Model: DS3

ALTENERGY POWER SYSTEM Inc. www.APsystems.com

Made in China

Maximum Input Voltage:	60VDC	Maximum Continuous Output Power(ac):	880VA
Range Of Input Operating Voltage:	26V-60VDC	Oper. Freq. Range(min/nom/max):	59.3Hz/60Hz/60.5Hz
Peak Power Tracking Voltage:	32V-55VDC	Oper. Voltage Range(min/nom/max)(ac):	211.2V 240V 264V
Maximum Input Current(dc):	20A×2	Maximum Continuous Output Current(ac):	3.7A
Enclosure Environmental Rating:	Type 6	Output Power Factor Rating:	>0.99(-0.7~0.7 adjustable)
Operating Ambient Temperature Range:-40°C to +65°C			

**CAUTION:** Hot surfaces – To reduce the risk of burns – Do not touch. Risk of Electric Shock. Normally Grounded Conductors May Be Ungrounded and Energized When a Ground-Fault is Indicated. Do Not Remove Cover. No User Serviceable Parts Inside. Refer Servicing To Qualified Service Personnel. Both ac and dc voltage sources are terminated inside this equipment. Each circuit must be disconnected individually. The service person must wait 5 minutes before servicing. When the photovoltaic array is exposed to light, it supplies a dc voltage to this equipment. This inverter has an integral DC Ground Fault Detector / Interrupter (GFDI). This Utility Interactive Inverter contains active anti-islanding protection (IEEE 1547) and is tested per FCC/IC (CAN ICES-003(B)/NMB-003(B)).



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FCC ID: 2AFGR-DS3  
IC: 20481-DS3

**WARNING:** Shock Hazard. Energized from both ac and dc sources. Disconnect all sources before servicing.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



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Identification Number

Work Order Number



# Microinverter Model: DS3-H

ALTENERGY POWER SYSTEM Inc. www.APsystems.com

Made in China

Maximum Input Voltage: 60VDC  
 Range Of Input Operating Voltage: 26V-60VDC  
 Peak Power Tracking Voltage: 36V-55VDC  
 Maximum Input Current(dc): 20A×2  
 Enclosure Environmental Rating: Type 6  
 Operating Ambient Temperature Range: -40°C to +65°C

Maximum Continuous Output Power(ac): 1050VA  
 Oper. Freq. Range(min/nom/max): 59.3Hz/60Hz/60.5Hz  
 Oper. Voltage Range(min/nom/max)(ac): 211.2V 240V 264V  
 Maximum Continuous Output Current(ac): 4.4A  
 Output Power Factor Rating: >0.99(-0.7~0.7 adjustable)

**CAUTION:** Hot surfaces – To reduce the risk of burns – Do not touch. Risk of Electric Shock. Normally Grounded Conductors May Be Ungrounded and Energized When a Ground-Fault is Indicated. Do Not Remove Cover. No User Serviceable Parts Inside. Refer Servicing To Qualified Service Personnel. Both ac and dc voltage sources are terminated inside this equipment. Each circuit must be disconnected individually. The service person must wait 5 minutes before servicing. When the photovoltaic array is exposed to light, it supplies a dc voltage to this equipment. This inverter has an integral DC Ground Fault Detector / Interrupter (GFDI). This Utility Interactive Inverter contains active anti-islanding protection (IEEE 1547) and is tested per FCC/IC (CAN ICES-003(B)/NMB-003(B)).



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FCC ID: 2AFGR-DS3  
IC: 20481-DS3

**WARNING:** Shock Hazard. Energized from both ac and dc sources. Disconnect all sources before servicing.

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**ATTENTION:** Surfaces chaudes - Pour réduire le risque de brûlures, ne pas toucher. Risque de choc électrique. Les conducteurs normalement mis à la terre peuvent ne pas être mis à la terre et être sous tension lorsqu'un défaut à la terre est indiqué. Ne pas enlever le boîtier. Aucune pièce n'est réparable par l'utilisateur à l'intérieur. Référez-vous à un technicien qualifié pour la maintenance. Les sources de tension AC et DC sont raccordées à l'intérieur de cet équipement. Chaque circuit doit être déconnecté individuellement. Le technicien doit attendre 5 minutes avant de procéder à la maintenance. Lorsque le générateur photovoltaïque est exposé à la lumière, il fournit une tension DC à cet équipement. Cet onduleur raccordé au réseau électrique est doté d'un détecteur / interrupteur de défaut de mise à la terre DC (GFDI) et contient une protection active anti-îlotage (IEEE1547) testée selon les normes FCC et IC.

**AVERTISSEMENT:** Risque d'électrocution. Mis en état de fonctionnement sous tension à la fois à partir de sources AC et DC. Débranchez toutes les sources avant de procéder à la maintenance.