

# EZESH20AUAW1B

## LEGEND

Component ID	Refrigeration diagram	Internal code	Fabricant code	Description
A1P				Main PCB
A2P				Inverter PCB, controls the compressor
A3P				Programmable relay for battery low-volt protection
A4P				ECU controller for diesel motor
A5P				IOT module for cloud data register
A6P				Datalogger temperature recorder
B1L				Fuel level sensor
B1V				Isolation meter
C3				Snubber capacitor for heater relay
C4				Snubber capacitor for heater relay
C5				Snubber capacitor for heater relay
E1H				Evaporator heater for heating and defrost
E2H				Evaporator heater for heating and defrost
E3H				Evaporator heater for heating and defrost
E4H				Evaporator heater for heating and defrost
E5H				Fuel pre-filter heater 12VDC
F1				General main line fuse
F11				Main line 12VDC fuse
F12				Main line 12VDC fuse
F13				Main line 12VDC fuse
F14				Main line 12VDC fuse
F15				Main line 12VDC fuse
F16				Main line 12VDC fuse
F17				Main line 12VDC fuse
F1A				Protection fuse for battery out
F1K2				Fuel pump / prefilter heater protection fuse
F1U				Heaters protection fuses
F1V				Isolation meter fuse
F21				Aux line 12VDC fuse
F22				Aux line 12VDC fuse
F23				Aux line 12VDC fuse
F24				Aux line 12VDC fuse
F2-B				General aux line fuse
F2K2				K2R out protection fuse 1
F2U				Fans supplier protection fuse
F2V				Isolation meter fuse
F3F				Fan overload protection fuse
F3K2				K2R out protection fuse 2
F3U				Battery charger protection fuse
F4F				Fan overload protection fuse
F4U				12VDC general overcurrent protection
F5F				Fan overload protection fuse
F6F				Fan overload protection fuse
F-ICS				ICS protection fuse
FK1				Starter protection fuse
FK4				Glow protection fuse
FK5				Glow protection backup fuse
FK8				Main contactors protection fuse
G1E				Battery 12VDC 800AH
G1S				Solar panel for fast battery recharge
J1				Relays box clamp - M8
J2				Relays box clamp - M6
J3				Relays box clamp - M6
J4				Relays box clamp - M5
K1				12VDC main line relay
K10R				Glow backup relay
K1M				Main grid contactor 12VDC
K1R				Starter relay
K2				12VDC aux line relay
K2M				Main road contactor 12VDC

Component ID	Refrigeration diagram	Internal code	Fabricant code	Description
K2R				Fuel pump / pre-filter heater relay
K3M				Heater power relay
K3R				Input selector relay (grid or road)
K4M				Heater power relay
K4R				Glow relay
K5M				Heater power relay
K5R				Board supplier abilitation relay
K6R				Relay that detects grid presence
K7R	HPS			High pressure relay
K8R				Power abilitation relay (K1M , K2M)
K9R				Relay turning on the box cooling fan
L1R				Inverter inductance
M1				Axial fan, electric box cooling
M1C				Scroll compressor variable frequency
M1G				Diesel generator power supply 400VAC 3P+N
M1P				Fuel pump 12VDC
M3F				Evaporator fan (CW)
M4F				Condenser fan 3 (CCW)
M5F				Evaporator fan (CCW)
M6F				Condenser fan 4 (CW)
P1M				Human machine interface device
Q1C				Megnetothermal motor protection
R1				Partition resistor n°1
R10T	Tgen			Inside generator temp. Sensor
R11T	Tdis1			Gas discharge temperature sensor
R12T	Tdis2			Gas discharge temperature sensor backup
R13T	Tcond_out			Condenser outlet temp. Sensor
R14T				Engine water temperature sensor
R1T	Te_A_in2			Evaporator air inlet temp. Sensor backup
R2				Partition resistor n°2
R2T	Tsuc			Gas suction temperature sensor
R3				Snubber resistor for heater relay
R3T	Teco_out			Economizer outlet temperature sensor
R4				Snubber resistor for heater relay
R4T	Tamb			Ambient temperature sensor
R5				Snubber resistor for heater relay
R5T	Teng			Engine compartment temp. Sensor
R6T	Te_A_in1			Evaporator air inlet temp. Sensor
R7T	Te_A_out2			Evaporator air outlet temp. Sensor backup
R8T	Tdts			Defrost temperature sensor
R9T	Te_A_out1			Evaporator air outlet temp. Sensor
RMOD				Modbus termination resistor 1/4W
S1				Exigo main ON/OFF switch
S1M				Retro door switch
S1NPH	Pdis			Gas high pressure transducer
S1NPL	Psuc			Gas low pressure transducer
S1NS				Engine speed sensor
S1P	DPS			Air differential pressure switch (defrost start)
S1PH				High pressure switch
S1T	HTT-1			HTT open on rise auto-reset
S2PH				Engine oil pressure protection switch
S2T	HTT-2			HTT open on rise, one-shot
S3T				Engine water temp protection switch
V1R				Fans supplier 3KW 55VDC
V2R				Battery charger 650W 12V
V3R				Board supplier 12VDC/230VAC
Y1E	Main EV			Main circuit electric expansion valve
Y2A	Comp BSV			Compressor bypass solenoid valve
Y2E	Inj EV			Injection circuit electronic expansion valve
Y3A	Cond PSV			Condenser partialisation solenoid valve
Y4A				Engine actuator solenoid
Z1F				Grid noise filter