



Specification

		TAMAR-3-DC	TAMAR-3-AC
Power Options	POWER SUPPLY - EXTERNAL ADAPTER POWER SUPPLY - SOLAR PANEL POWER SUPPLY - LEAD-ACID BATTERY POWER SUPPLY - LITHIUM BATTERY	5V-42V DC 6V-32V, MPPT 6V, 9V, 12V 3.8V 12000mAH	12V-42V AC - - -
Environmental	OPERATION TEMPERATURE	-20°C - 65°C / -4°F - 149°F	-20°C - 65°C / -4°F - 149°F
Size	DIMENSIONS - CASE DIMENSIONS - PCB	247 X 177 X 66 MM 157 X 148 X 35 MM	247 X 177 X 66 MM 157 X 148 X 35 MM
I/O Capacity	VALVE OUTPUTS COUNT VALVE OUTPUT VOLTAGE VALVE MAX OUTPUT CURRENT (Peak) DIGITAL INPUTS (Dry Contact) DIGITAL INPUT PULSE WIDTH (Min) DIGITAL INPUT FREQUENCY (Max) ANALOG INPUTS ANALOG INPUT TYPE ANALOG INPUT RESOLUTION	16 + 24 on extension board 5V-24V DC 8000 mA 2 10 mS 50 PPS 1 0-20mA, 4-20mA, 0-5V, 0-12V 12 BIT	16 + 24 on extension board 12V-42V AC 8000 mA 2 10 mS 50 PPS 1 0-20mA, 4-20mA, 0-5V, 0-12V 12 BIT
Communication Options	CELLULAR MODEM CELLULAR ANTENNA BLUETOOTH MODEM – TECHNICIAN APP	2G/3G/4G Internal / External Bluetooth 5.0 Low Energy	2G/3G/4G Internal / External Bluetooth 5.0 Low Energy
CPU & Memory	OPTIONAL EXTENSIONS CPU FLASH MEMORY	SPI/I2C ARM Cortex 32Bit 32MHz 128KB on MCU + 32MBIT SPI	SPI/I2C ARM Cortex 32Bit 32MHz 128KB on MCU + 32MBIT SPI
Firmware Update	FIRMWARE UPDATE	USB + Over-The-Air (FOTA)	USB + Over-The-Air (FOTA)
Certifications		Safety – CE IEC 61010-1:2010 + A1:2016 / EN 61010-1:2010 + A1:2019 EMC - EN 61326-1:2020 (Electromagnetic Compatibility), EN 301 489-1 V2.2.3:2019, EN 301 489-17 V3.2.4:2020, EN 301 489-50 V2.3.1:2021, EN 55035:2017+A11:2020, EN 55032:2015+A11:2020, EN 61000-3-2:2014 & EN 61000-3-3:2013, FCC Part 15 (CFR 47) and ANSI C63.4:2014, Industry Canada ICES-003:2020 (Issue 7). Information Security Management - ISO/IEC 27001:2013 Cloud Security for IT Operations - ISO/IEC 27017:2015	Safety – CE IEC 61010-1:2010 + A1:2016 / EN 61010-1:2010 + A1:2019 EMC - EN 61326-1:2020 (Electromagnetic Compatibility), EN 301 489-1 V2.2.3:2019, EN 301 489-17 V3.2.4:2020, EN 301 489-50 V2.3.1:2021, EN 55035:2017+A11:2020, EN 55032:2015+A11:2020, EN 61000-3-2:2014 & EN 61000-3-3:2013, FCC Part 15 (CFR 47) and ANSI C63.4:2014, Industry Canada ICES-003:2020 (Issue 7). Information Security Management - ISO/IEC 27001:2013 Cloud Security for IT Operations - ISO/IEC 27017:2015