

6.23 inch IP68 Rugged Smart Phone

Revision History

Date	Revision	Page	Content	By
2026/7/31	0.1	All	First Draft	Eisley Yao

ACT POWER TAIWAN
Preliminary

VES-U6401

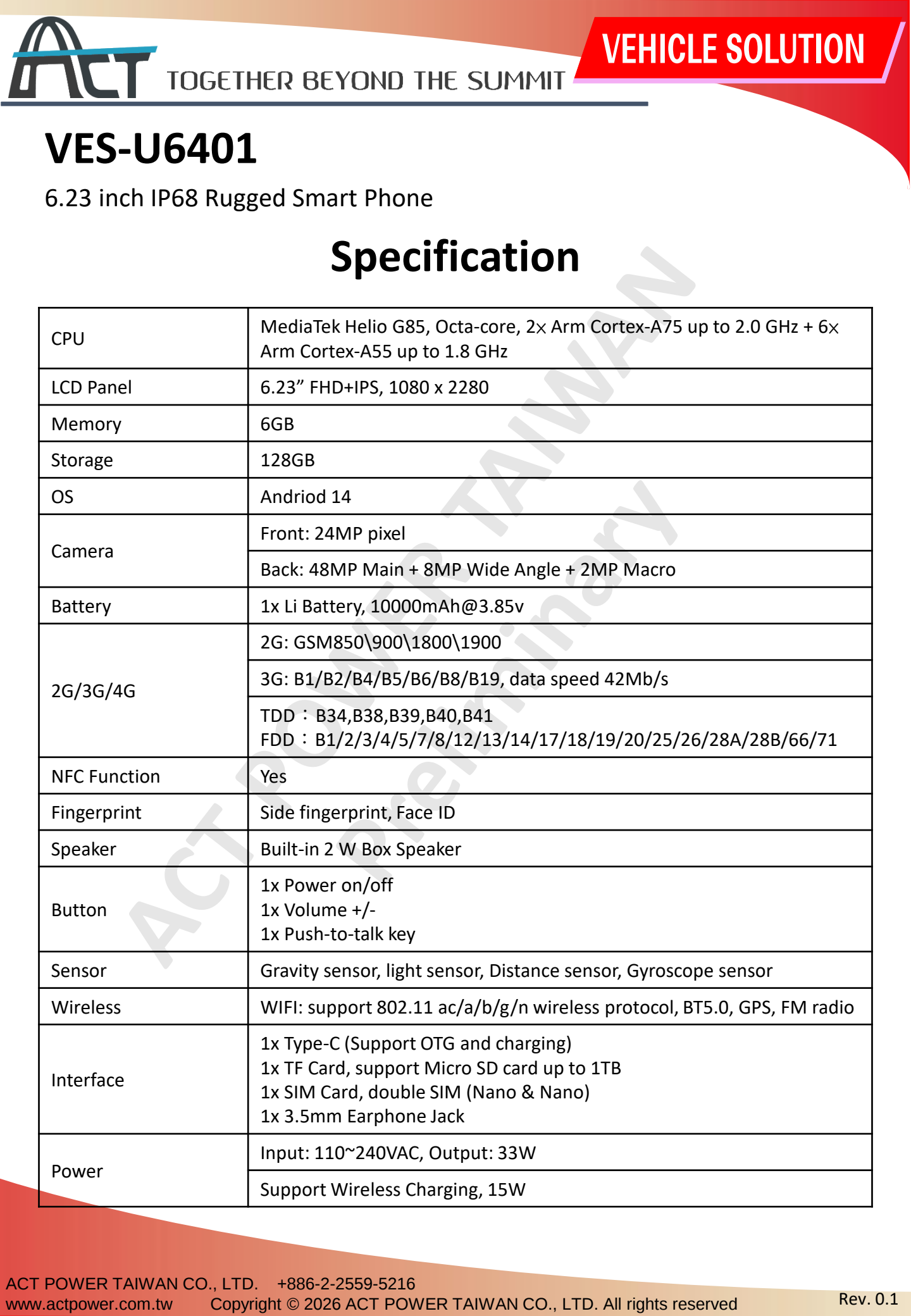
6.23 inch IP68 Rugged Smart Phone

Features

- MTKG85, 8-core, 2.0GHz
- 6GB RAM + 128GB ROM
- 6.23 inch FHD+IPS, 1080 x 2280
- Android 14
- Professional-Grade Camera
- 10000mAh Big Battery and Support 33W Fast Charging
- IP68, Dust and Water Resistance
- MIL-STD-810G

Appearance



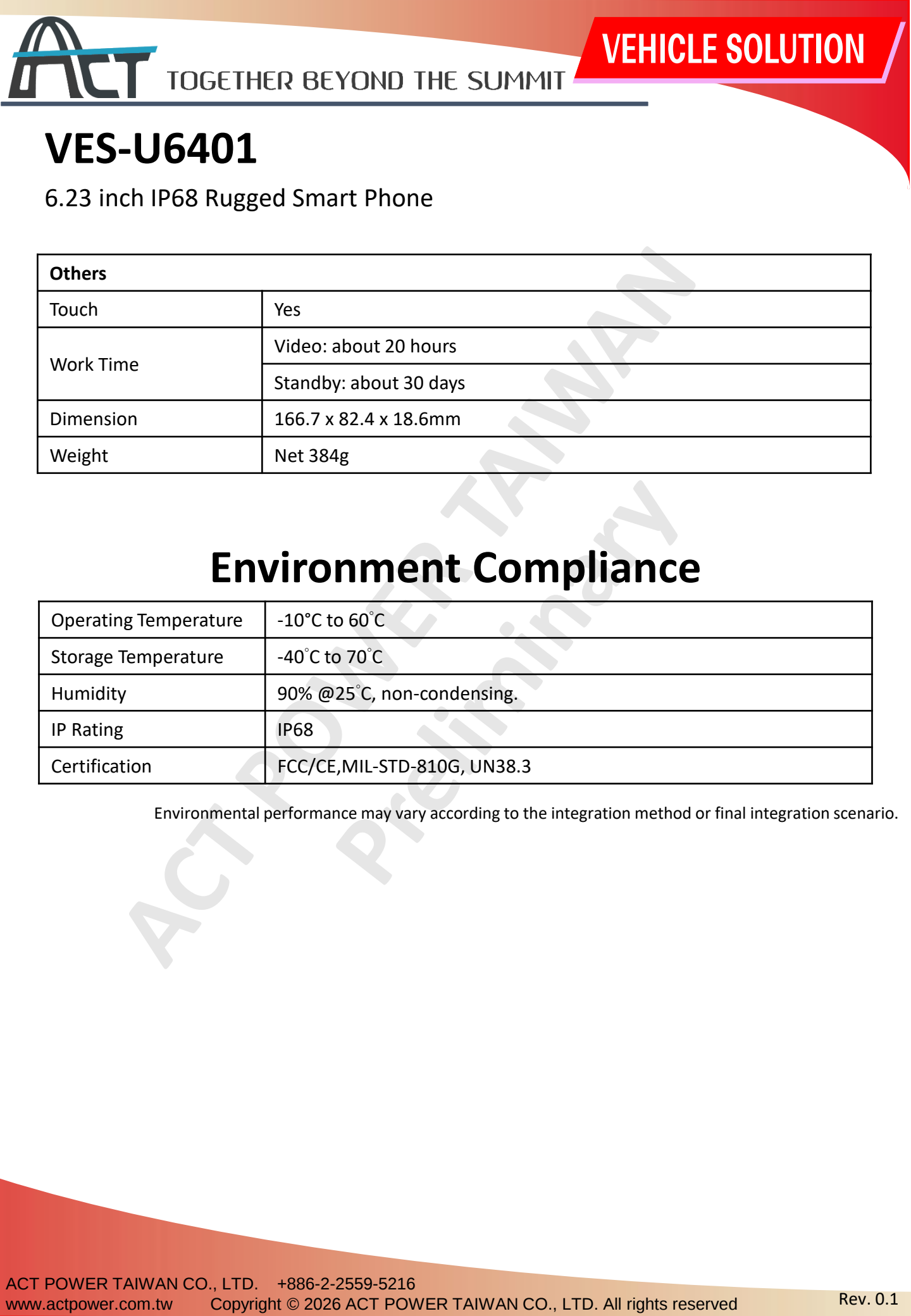


VES-U6401

6.23 inch IP68 Rugged Smart Phone

Specification

CPU	MediaTek Helio G85, Octa-core, 2× Arm Cortex-A75 up to 2.0 GHz + 6× Arm Cortex-A55 up to 1.8 GHz
LCD Panel	6.23" FHD+IPS, 1080 x 2280
Memory	6GB
Storage	128GB
OS	Andriod 14
Camera	Front: 24MP pixel
	Back: 48MP Main + 8MP Wide Angle + 2MP Macro
Battery	1x Li Battery, 10000mAh@3.85v
2G/3G/4G	2G: GSM850\900\1800\1900
	3G: B1/B2/B4/B5/B6/B8/B19, data speed 42Mb/s
	TDD : B34,B38,B39,B40,B41 FDD : B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28A/28B/66/71
NFC Function	Yes
Fingerprint	Side fingerprint, Face ID
Speaker	Built-in 2 W Box Speaker
Button	1x Power on/off 1x Volume +/- 1x Push-to-talk key
Sensor	Gravity sensor, light sensor, Distance sensor, Gyroscope sensor
Wireless	WIFI: support 802.11 ac/a/b/g/n wireless protocol, BT5.0, GPS, FM radio
Interface	1x Type-C (Support OTG and charging) 1x TF Card, support Micro SD card up to 1TB 1x SIM Card, double SIM (Nano & Nano) 1x 3.5mm Earphone Jack
Power	Input: 110~240VAC, Output: 33W
	Support Wireless Charging, 15W



VES-U6401

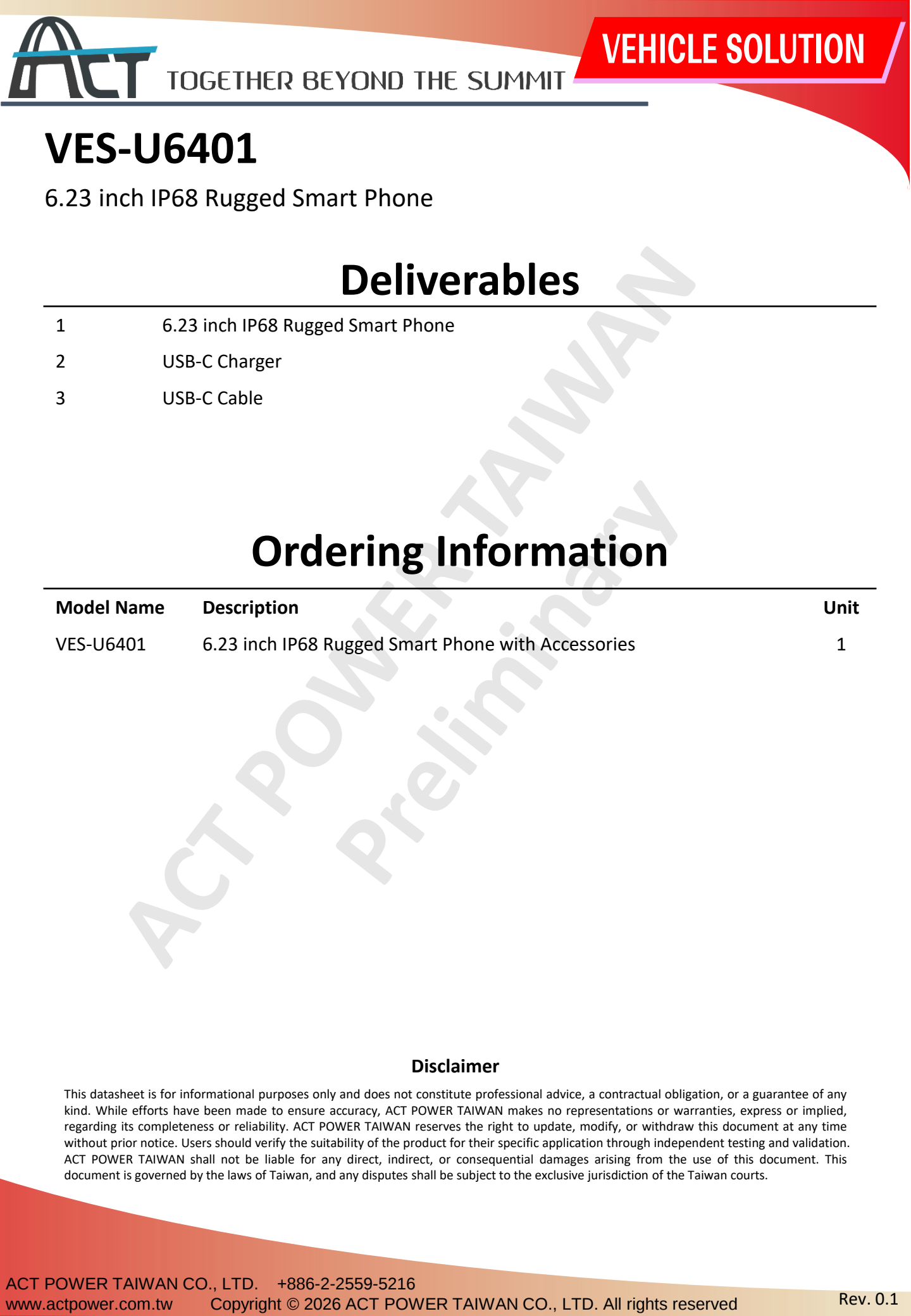
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Others	
Touch	Yes
Work Time	Video: about 20 hours
	Standby: about 30 days
Dimension	166.7 x 82.4 x 18.6mm
Weight	Net 384g

Environment Compliance

Operating Temperature	-10°C to 60°C
Storage Temperature	-40°C to 70°C
Humidity	90% @25°C, non-condensing.
IP Rating	IP68
Certification	FCC/CE,MIL-STD-810G, UN38.3

Environmental performance may vary according to the integration method or final integration scenario.



VES-U6401

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Deliverables

1	6.23 inch IP68 Rugged Smart Phone
2	USB-C Charger
3	USB-C Cable

Ordering Information

Model Name	Description	Unit
VES-U6401	6.23 inch IP68 Rugged Smart Phone with Accessories	1

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