HOORVIA — TRADINGVIEW PINE SCRIPT V5 CHEAT SHEET

Compiler Directives, Built-In Indicators (ta.*), Strategy Orders & Plotting Syntax

100% COMPILABLE PINE SCRIPT V5

1. SCRIPT DECLARATIONS, INPUTS & TECHNICAL ANALYSIS NAMESPACE (TA.*)

ELEMENT / FUNCTION	EXACT PINE SCRIPT V5 SYNTAX	DESCRIPTION & USAGE NOTE
Version Compiler Tag	`//@version=5`	Mandatory on Line 1 (Must include @ symbol)
Indicator Declaration	`indicator("My Script", overlay=true)`	Plots directly on price chart when `overlay=true`
Strategy Declaration	`strategy("Backtest", overlay=true, initial_capital=10000)`	Enables Strategy Tester order execution
User Integer / Float Input	`len = input.int(14, title="Length", minval=1)`	Creates customizable setting in script UI
SMA / EMA Moving Avg	`ema20 = ta.ema(close, 20)` | `ta.sma(close, 50)`	Exponential & Simple Moving Averages
RSI & ATR	`rsiVal = ta.rsi(close, 14)` | `ta.atr(14)`	Relative Strength Index & Average True Range
MACD Tuple	`[macdLine, signalLine, hist] = ta.macd(close, 12, 26, 9)`	Returns all 3 MACD components in one line
Crossover / Crossunder	`buySig = ta.crossover(fastEMA, slowEMA)`	True on exact bar fastEMA crosses above slowEMA
Multi-Timeframe (MTF)	`htfClose = request.security(syminfo.tickerid, "D", close)`	Fetches Daily ("D") close on lower timeframe chart

2. STRATEGY EXECUTION (STRATEGY.*), PLOTTING & ALERTS

ACTION / ORDER TYPE	EXACT PINE SCRIPT V5 SYNTAX	DESCRIPTION & USAGE NOTE
Enter Long Position	`strategy.entry("BuyID", strategy.long)`	Opens long trade (Note dot in `strategy.long`)
Enter Short Position	`strategy.entry("SellID", strategy.short)`	Opens short trade (Note dot in `strategy.short`)
Take Profit / Stop Loss	`strategy.exit("ExitID", from_entry="BuyID", stop=sl, limit=tp)`	Attaches bracket stop-loss & take-profit prices
Close All Open Trades	`strategy.close_all(comment="Exit Signal")`	Immediately flattens open strategy position
Plot Line on Chart	`plot(ema20, color=color.teal, linewidth=2)`	Draws continuous indicator series line
Plot Buy/Sell Shapes	`plotshape(buySig, style=shape.triangleup, location=location.belowbar)`	Draws visual signal arrows below/above candles
Webhook / Alert Trigger	`alertcondition(buySig, title="Buy Alert", message="Long!")`	Registers custom trigger in TradingView Alert menu

READY-TO-PASTE WORKING PINE SCRIPT v5 STARTER TEMPLATE: